

Converting Colors

XYZ(76.5853, 86.5358, 91.5907)

Have a look what the booklet for
XYZ(76.5853, 86.5358, 91.5907)
contains.

XYZ(76.5664, 86.6614, 91.2891)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(76.5664, 86.6614,
91.2891)**

Conversions

Conversions Part 1

Format	Color
Hex	D9F6EB
RGB	217, 246, 235
RGB Percent	85%, 96%, 92%
CMY	0.1490, 0.0353, 0.0784
CMYK	0.12, 0.00, 0.04, 0.04
HSL	157°, 62%, 91%
HSV	157°, 12%, 96%
XYZ	76.5664, 86.6614, 91.2891
YIQ	236.0750, -13.7530, -9.5690

Conversions

Conversions Part 2

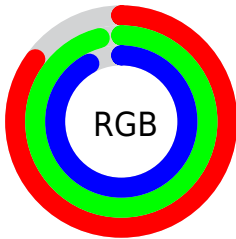
Format	Color
R_{YB}	217, 235, 246
Decimal	14284523
CIE _{Lab}	94.59, -11.47, 2.09
CIE _{LCh}	95, 11.657, 169.666
Y _{xy}	86.6614, 0.3008, 0.3405
Android (android.graphics.Color)	4292474603 (0xFFD9F6EB)
Y _{UV}	236.0750, -0.5300, -16.7288
Hunter-Lab	93.0921, -16.0985, 7.0228

Details

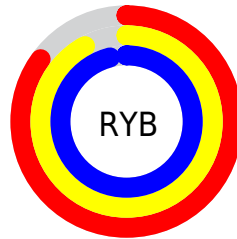
The XYZ color **76.5664, 86.6614, 91.2891** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **76.8256, 74.8221, 83.7957**, and the grayscale version is **79.7997, 83.9555, 91.4276**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.4504, 47.7630, 49.6823** is the 20% darker color. If you saturate the color by 10%, you get **68.4794, 82.6465, 84.0565**, and if you desaturate by 10%, it is **85.8190, 91.2738, 98.9493**.

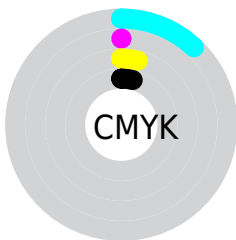
Distribution



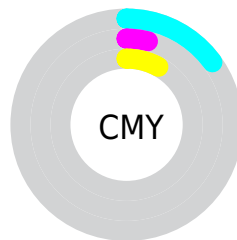
- Red (85%)
- Green (96%)
- Blue (92%)



- Red (85%)
- Yellow (92%)
- Blue (96%)



- Cyan (12%)
- Magenta (0%)
- Yellow (4%)
- Black (4%)





- Cyan (15%)
- Magenta (4%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 76.5664, 86.6614, 91.2891 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 76.5664, 86.6614, 91.2891 by changing the saturation by 10% instead.


 76.5664, 86.6614,
91.2891

 76.5664, 86.6614,
91.2891

472.1990,
517.1096, 552.8933

 57.1958, 65.2150,
68.4706


127.5033,
142.6921, 151.0788

 41.4032, 47.6355,
49.8116


159.8003,
178.0452, 188.8872

 28.8233, 33.5383,
34.8936


197.1368,
218.8027, 232.5292

 19.0908, 22.5391,
23.2980

239.8781,
265.3490, 282.4234

 11.8403, 14.2536,
14.6064

288.3897,
318.0684, 338.9884

 6.7065, 8.2972,
8.4000

343.0367,

 3.3239, 4.2857,

377.3454, 402.6427

4.2606

404.1848,
443.5643, 473.8048

■ 1.3273, 1.8346,
1.7693

■ 0.2035, 0.5086,
0.4076

■ 76.5664, 86.6614,
91.2891

■ 76.5664, 86.6614,
91.2891

■ 68.4794, 82.6465,
84.0565

■ 85.8190, 91.2738,
98.9493

■ 61.5015, 79.1930,
77.2377

■ 92.0337, 94.3093,
106.8403

■ 55.5826, 76.2774,
70.8265

■ 92.2474, 94.3948,
107.9658

■ 50.6652, 73.8704,
64.8143

■ 46.6868, 71.9398,
59.1923

■ 43.5770, 70.4494,
53.9508

■ 41.2552, 69.3579,
49.0797

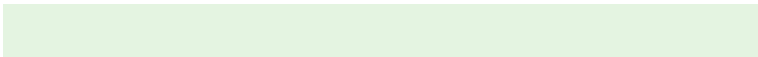
■ 39.6246, 68.6155,
44.5680

■ 38.6803, 68.2040,
41.1221

Harmonies

Analogous

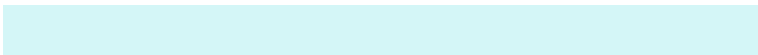
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.8483, 86.6614, 83.5961



76.5664, 86.6614, 91.2891



76.8090, 86.6614, 100.3041

Triad

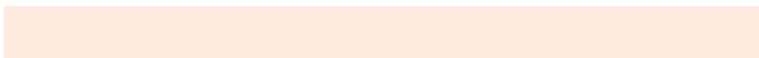
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



76.5664, 86.6614, 91.2891



84.4194, 86.6614, 111.6116



86.3423, 86.6614, 81.7731

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



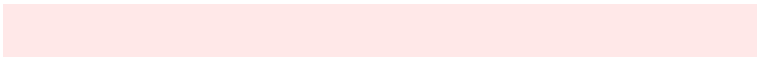
76.5664, 86.6614, 91.2891



76.8256, 74.8221, 83.7957

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



88.1912, 86.6614, 88.6546



76.5664, 86.6614, 91.2891



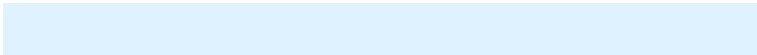
87.0616, 86.6614, 106.0093

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



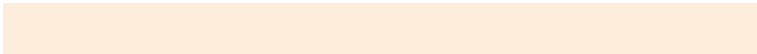
76.5664, 86.6614, 91.2891



81.2899, 86.6614, 112.4286



88.4577, 86.6614, 97.4981



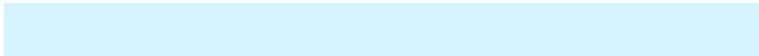
83.4578, 86.6614, 78.3382

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



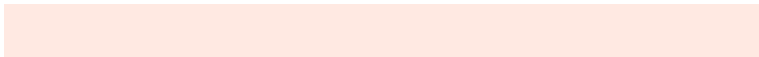
76.5664, 86.6614, 91.2891



77.8047, 86.6614, 105.8424



88.4577, 86.6614, 97.4981



87.1086, 86.6614, 83.7388

Sweetspot

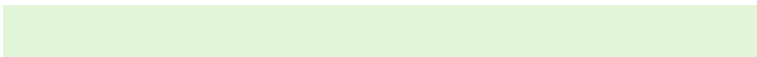
The Sweet Spot groups the original color and five complimentary colors.



76.5688, 86.6651, 91.2910



90.7796, 97.8698, 105.4806



77.5149, 87.4382, 78.4386



19.2637, 20.8650, 22.4413



0.0000, 0.0000, 0.0000



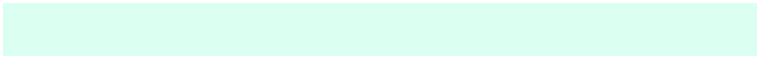
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.5688, 86.6651, 91.2910



81.0091, 93.0048, 97.2586



77.1886, 85.2811, 99.5857



16.7146, 18.6450, 19.7816



20.7155, 36.4310, 22.3192



1.8706, 3.2219, 2.2245

Inverse Universe

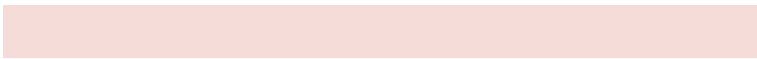
The Inverse Universe completely reimagines the original color for something new.



76.8256, 74.8221, 83.7957



81.3356, 77.9540, 87.7339



76.2270, 75.9926, 76.2973



16.7592, 16.5865, 18.4787



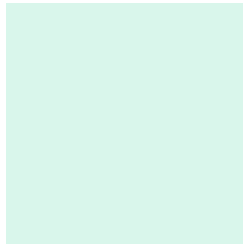
21.4114, 10.9080, 6.8749



1.9302, 0.9780, 0.8589

Previews

White Background



This preview shows how the XYZ color 76.5664, 86.6614, 91.2891 looks on a white background.

Color Contrast Check

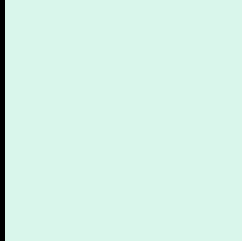
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 76.5664, 86.6614, 91.2891 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

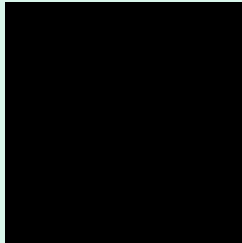
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

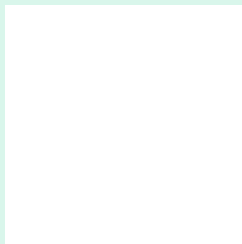
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 76.5664, 86.6614, 91.2891

Background



This preview shows how black text looks on a background with the XYZ color 76.5664, 86.6614, 91.2891.



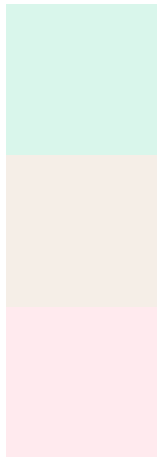
This preview shows how white text looks on a background with the XYZ color 76.5664, 86.6614,

91.2891.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

76.5664, 86.6614, 91.2891

Protanopia

82.6545, 86.3311, 87.9085

Deuteranopia

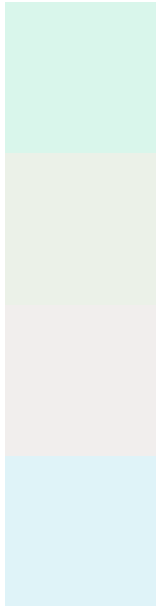
86.0954, 86.2787, 93.0047



Tritanopia

81.1839, 86.4615, 107.0176

Trichromacy



Original Color

76.5664, 86.6614, 91.2891

Protanomaly

80.2817, 86.3990, 88.7893

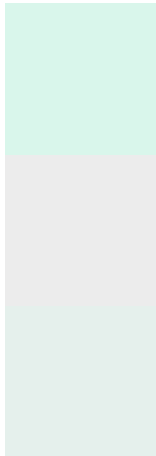
Deuteranomaly

82.1362, 85.9643, 92.3845

Tritanomaly

79.4253, 86.5665, 101.3298

Monochromacy



Original Color

76.5664, 86.6614, 91.2891

Achromatopsia

79.7278, 83.8799, 91.3452

Achromatomaly

78.6135, 85.0343, 91.6268

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.5664, 86.6614, 91.2891 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(217, 246, 235)` looks like.

```
.text, #text, p{  
    color:rgb(217, 246, 235)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(217, 246, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 246, 235) }
```

Border

The CSS property to change the border of an element to XYZ 76.5664, 86.6614, 91.2891 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(217, 246, 235) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(217, 246, 235) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(217, 246, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 246, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 246, 235);  
box-shadow:4px 4px 4px 4px rgb(217, 246,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 76.5664, 86.6614, 91.2891 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 246, 235) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(217,  
246, 235) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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