

Converting Colors

XYZ(87.7324, 85.8064, 92.1407)

Have a look what the booklet for
XYZ(87.7324, 85.8064, 92.1407)
contains.

XYZ(85.1020, 84.5263, 91.9506)	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(85.1020, 84.5263,
91.9506)**

Conversions

Conversions Part 1

Format	Color
Hex	FFE7ED
RGB	255, 231, 237
RGB Percent	100%, 91%, 93%
CMY	0.0000, 0.0941, 0.0706
CMYK	0.00, 0.09, 0.07, 0.00
HSL	345°, 100%, 95%
HSV	345°, 9%, 100%
XYZ	85.1020, 84.5263, 91.9506
YIQ	238.8600, 12.3780, 6.9540

Conversions

Conversions Part 2

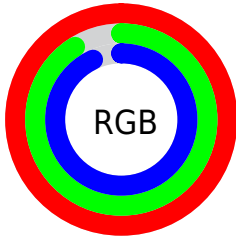
Format	Color
R _Y B	255, 231, 237
Decimal	16771053
CIE Lab	93.68, 9.16, 0.06
CIE LCh	94, 9.163, 0.361
Yxy	84.5263, 0.3253, 0.3231
Android (android.graphics.Color)	4294961133 (0xFFFE7ED)
YUV	238.8600, -0.9170, 14.1548
Hunter-Lab	91.9382, 4.3356, 5.0587

Details

The XYZ color **85.1020, 84.5263, 91.9506** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **85.8166, 95.3498, 103.5076**, and the grayscale version is **81.9371, 86.2042, 93.8764**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.9592, 46.0019, 50.1203** is the 20% darker color. If you saturate the color by 10%, you get **75.8309, 70.2205, 75.8000**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

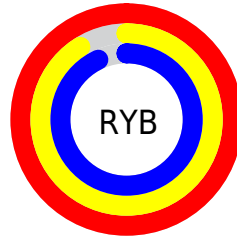
Distribution



Red (100%)

Green (91%)

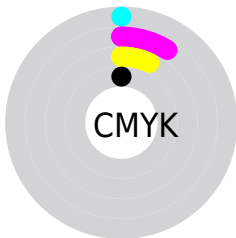
Blue (93%)



Red (100%)

Yellow (91%)

Blue (93%)

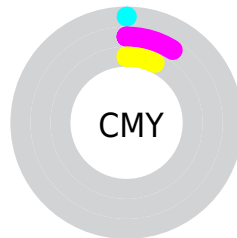


Cyan (0%)

Magenta (9%)

Yellow (7%)

Black (0%)



Cyan (0%)


Magenta (9%)


Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 85.1020, 84.5263, 91.9506 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 85.1020, 84.5263, 91.9506 by changing the saturation by 10% instead.


 85.1020, 84.5263,
91.9506

 85.1020, 84.5263,
91.9506


500.4441,
510.0593, 555.0888

 64.2484, 63.4500,
69.0168


139.4290,
139.7112, 152.0040

 47.1144, 46.2054,
50.2535


173.6331,
174.5885, 189.9607

 33.3344, 32.4079,
35.2423


213.0181,
214.8351, 233.7621

 22.5432, 21.6733,
23.5645

257.9494,
260.8352, 283.8268

 14.3754, 13.6170,
14.8017

308.7923,
312.9733, 340.5733

 8.4657, 7.8548,
8.5353

365.9121,

 4.4486, 4.0022,

371.6338, 404.4201

4.3467

429.6743,
437.2010, 475.7858

■ 1.9589, 1.6748,
1.8174

■ 0.6107, 0.4072,
0.4394

■ 85.1020, 84.5263,
91.9506

■ 85.1020, 84.5263,
91.9506

■ 75.8309, 70.2205,
75.8000

95.0500, 100.0000,
108.9000

■ 67.8417, 58.0167,
61.5005

■ 61.0786, 47.8183,
48.9864

■ 55.4791, 39.5173,
38.1859

■ 50.9753, 32.9953,
29.0223

■ 47.4921, 28.1206,
21.4126

■ 44.9441, 24.7428,
15.2664

■ 43.2314, 22.6839,
10.4825

■ 42.2061, 21.6726,
6.9367

Harmonies

Analogous

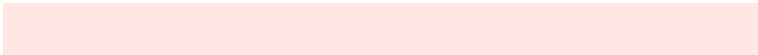
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.4685, 84.5263, 98.8106



85.1020, 84.5263, 91.9506



84.4381, 84.5263, 85.4372

Triad

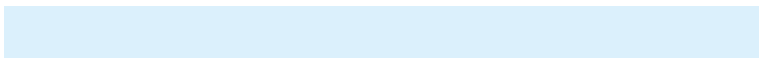
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



85.1020, 84.5263, 91.9506



78.0017, 84.5263, 80.9672



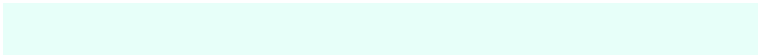
78.0517, 84.5263, 104.1590

Complementary

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



85.1020, 84.5263, 91.9506



85.8166, 95.3498, 103.5076

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.



76.3761, 84.5263, 98.9636



85.1020, 84.5263, 91.9506



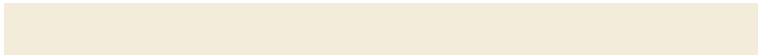
76.3477, 84.5263, 85.5760

Square

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



85.1020, 84.5263, 91.9506



80.3103, 84.5263, 79.2946



75.7585, 84.5263, 92.1190



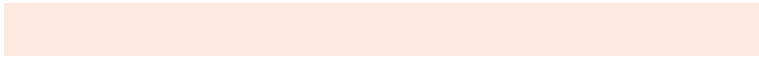
80.3691, 84.5263, 106.0713

Rectangle

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



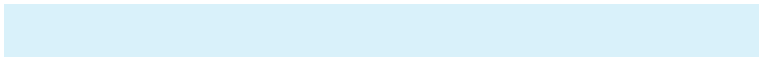
85.1020, 84.5263, 91.9506



83.3568, 84.5263, 82.1122



75.7585, 84.5263, 92.1190



77.3964, 84.5263, 102.7261

Sweetspot

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



85.1039, 84.5298, 91.9524



91.7476, 94.8517, 103.3092



85.6951, 84.5153, 106.4042



19.4533, 20.0150, 21.7990



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

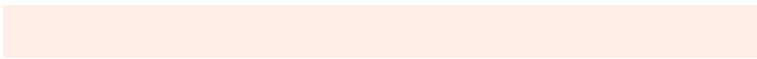
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.1039, 84.5298, 91.9524



83.5408, 82.1090, 89.2566



85.9502, 87.6009, 87.9844



18.1955, 18.0615, 19.6468



22.0779, 11.3205, 3.7949



2.1911, 1.1188, 0.5879

Inverse Universe

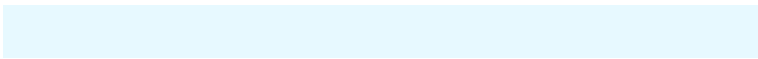
The Inverse Universe completely reimagines the original color for something new.



85.1039, 84.5298, 91.9524



83.5408, 82.1090, 89.2566



84.8831, 91.9622, 107.8844



18.1955, 18.0615, 19.6468



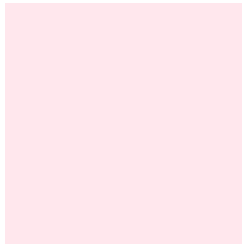
22.0779, 11.3205, 3.7949



2.1911, 1.1188, 0.5879

Previews

White Background



This preview shows how the XYZ color 85.1020, 84.5263, 91.9506 looks on a white background.

Color Contrast Check

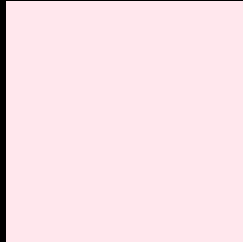
Large Text (above 18pt) WCAG AA × Fail

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 85.1020, 84.5263, 91.9506 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

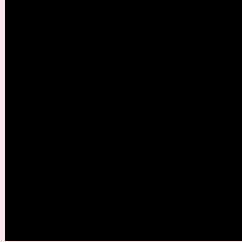
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 85.1020, 84.5263, 91.9506

Background



This preview shows how black text looks on a background with the XYZ color 85.1020, 84.5263, 91.9506.



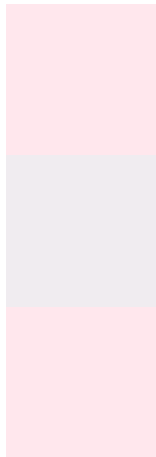
This preview shows how white text looks on a background with the XYZ color 85.1020, 84.5263,

91.9506.

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

85.1020, 84.5263, 91.9506

Protanopia

81.6588, 84.8074, 94.5037

Deuteranopia

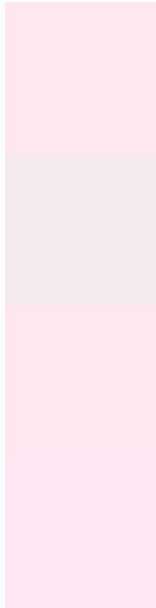
85.1020, 84.5263, 91.9506



Tritanopia

86.3253, 84.5690, 99.7693

Trichromacy



Original Color

85.1020, 84.5263, 91.9506

Protanomaly

82.6590, 84.4901, 93.6130

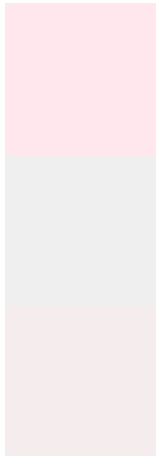
Deuteranomaly

85.1020, 84.5263, 91.9506

Tritanomaly

85.7145, 84.3247, 96.5527

Monochromacy



Original Color

85.1020, 84.5263, 91.9506

Achromatopsia

82.0431, 86.3157, 93.9978

Achromatomaly

83.0843, 85.5764, 93.0278

CSS Examples

Text

The CSS property to change the color of the text to XYZ 85.1020, 84.5263, 91.9506 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(255, 231, 237) looks like.

```
.text, #text, p{  
    color:rgb(255, 231, 237)  
}
```

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(255, 231, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 231, 237) }
```

Border

The CSS property to change the border of an element to XYZ 85.1020, 84.5263, 91.9506 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(255, 231, 237) }
```


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

```
.border{ border-color:rgb(255, 231, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 231, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 231, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 231, 237);  
box-shadow:4px 4px 4px 4px rgb(255, 231,  
237) }
```

Background

The CSS property to change the background color of an element to XYZ 85.1020, 84.5263, 91.9506 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 231, 237) }
```

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

```
.background{ background-color: rgb(255,  
231, 237) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor