

Converting Colors

XYZ(66.6566, 71.7334, 90.7610)

Have a look what the booklet for
XYZ(66.6566, 71.7334, 90.7610)
contains.

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Color

**XYZ(66.5756, 71.7271,
90.4566)**

Conversions

Conversions Part 1

Format	Color
Hex	CCDFED
RGB	204, 223, 237
RGB Percent	80%, 87%, 93%
CMY	0.2000, 0.1255, 0.0706
CMYK	0.14, 0.06, 0.00, 0.07
HSL	205°, 48%, 86%
HSV	205°, 14%, 93%
XYZ	66.5756, 71.7271, 90.4566
YIQ	218.9150, -15.8180, 0.3260

Conversions

Conversions Part 2

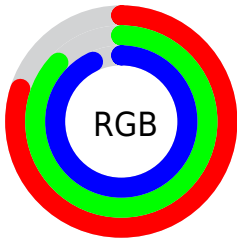
Format	Color
R_YB	204, 216, 237
Decimal	13426669
CIE _{Lab}	87.84, -3.53, -8.98
CIE _{LCh}	88, 9.652, 248.569
Y _{xy}	71.7271, 0.2910, 0.3135
Android (android.graphics.Color)	4291616749 (0xFFCCDFED)
YUV	218.9150, 8.9159, -13.0805
Hunter-Lab	84.6919, -7.8933, -4.0414

Details

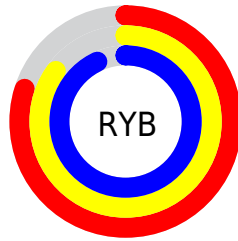
The XYZ color **66.5756, 71.7271, 90.4566** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **70.8961, 72.5069, 67.3869**, and the grayscale version is **67.2227, 70.7236, 77.0180**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **34.9208, 37.8255, 49.1766** is the 20% darker color. If you saturate the color by 10%, you get **57.9613, 63.4185, 89.3080**, and if you desaturate by 10%, it is **76.3420, 80.8702, 91.7078**.

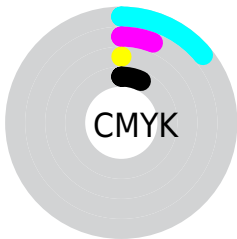
Distribution



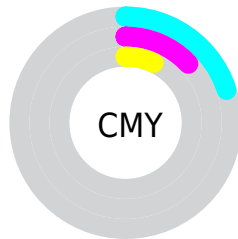
- Red (80%)
- Green (87%)
- Blue (93%)



- Red (80%)
- Yellow (85%)
- Blue (93%)



- Cyan (14%)
- Magenta (6%)
- Yellow (0%)
- Black (7%)



- Cyan (20%)
- Magenta (13%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 66.5756, 71.7271, 90.4566 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 66.5756, 71.7271, 90.4566 by changing the saturation by 10% instead.

■ 66.5756, 71.7271,
90.4566

■ 66.5756, 71.7271,
90.4566

437.8889,
466.5912, 550.1234

■ 49.0092, 52.9358,
67.7836

113.3652,
121.6685, 149.9135

■ 34.8414, 37.7515,
49.2561

143.3192,
153.5873, 187.5345

■ 23.7067, 25.7899,
34.4556

178.1331,
190.6507, 230.9752

■ 15.2397, 16.6665,
22.9637

218.1723,
233.2432, 280.6541

■ 9.0752, 9.9970,
14.3616

263.8021,
281.7491, 336.9899

■ 4.8478, 5.3970,
8.2310

315.3879,

■ 2.1921, 2.4820,

336.5528, 400.4010

4.1532

373.2950,
398.0387, 471.3060

■ 0.7385, 0.8676,
1.7098

■ 0.0000, 0.0000,
0.3674

■ 66.5756, 71.7271,
90.4566

■ 66.5756, 71.7271,
90.4566

■ 57.9613, 63.4185,
89.3080

■ 76.3420, 80.8702,
91.7078

■ 50.4456, 55.9071,
88.2543

■ 87.2987, 90.8656,
93.0596

■ 43.9798, 49.1653,
87.2938

■ 91.7029, 97.7277,
94.1520

■ 38.5089, 43.1607,
86.4231

■ 92.2863, 98.8945,
94.3465

■ 33.9724, 37.8575,
85.6386

■ 30.3025, 33.2163,
84.9362

■ 27.4212, 29.1921,
84.3113

■ 25.2338, 25.7313,
83.7586

■ 24.1576, 23.8571,
83.4536

Harmonies

Analogous

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



64.7839, 71.7271, 86.2414



66.5756, 71.7271, 90.4566



68.8337, 71.7271, 91.2667

Triad

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



66.5756, 71.7271, 90.4566



72.6294, 71.7271, 76.2316



65.4615, 71.7271, 68.6331

Complementary

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



66.5756, 71.7271, 90.4566



70.8961, 72.5069, 67.3869

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.



67.5194, 71.7271, 66.2623



66.5756, 71.7271, 90.4566



71.6813, 71.7271, 70.4852

Square

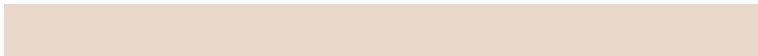
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



66.5756, 71.7271, 90.4566



72.3630, 71.7271, 82.8054



69.7987, 71.7271, 66.9208



64.1508, 71.7271, 73.5737

Rectangle

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



66.5756, 71.7271, 90.4566



70.3055, 71.7271, 89.7256



69.7987, 71.7271, 66.9208



66.0870, 71.7271, 67.5222

Sweetspot

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



66.5777, 71.7301, 90.4582



90.0317, 95.3871, 108.2741



67.8096, 78.4559, 77.7292



19.0739, 20.2350, 23.1504



0.0000, 0.0000, 0.0000



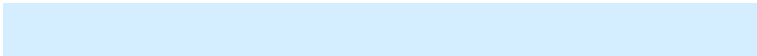
20.3446, 21.4041, 23.3091

Same Dimension

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



66.5777, 71.7301, 90.4582



75.2728, 81.5095, 106.3733



62.4416, 63.4580, 89.0795



14.9515, 15.9894, 19.2205



13.3218, 13.2905, 45.6062



1.1411, 1.2336, 3.6128

Inverse Universe

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



69.8389, 66.5196, 78.9740



79.9256, 74.2640, 89.9463



75.3194, 81.3535, 68.8613



15.4291, 15.1995, 17.5448



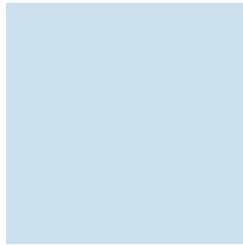
21.5795, 10.8345, 14.1189



1.7425, 0.8699, 1.3611

Previews

White Background



This preview shows how the XYZ color 66.5756, 71.7271, 90.4566 looks on a white background.

Color Contrast Check

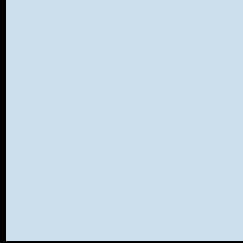
Large Text (above 18pt) WCAG AA × Fail

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 66.5756, 71.7271, 90.4566 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

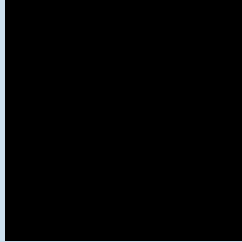
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

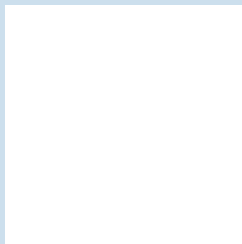
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 66.5756, 71.7271, 90.4566

Background



This preview shows how black text looks on a background with the XYZ color 66.5756, 71.7271, 90.4566.

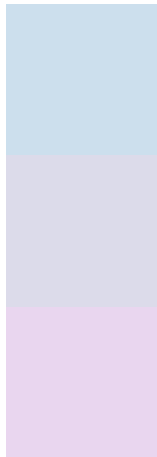


This preview shows how white text looks on a background with the XYZ color 66.5756, 71.7271,

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

66.5756, 71.7271, 90.4566

Protanopia

69.6980, 71.8192, 88.0309

Deuteranopia

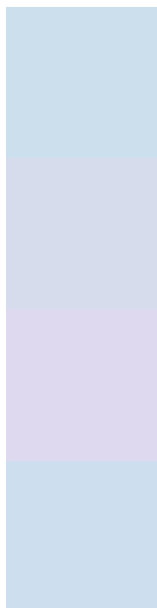
73.2308, 71.6488, 91.6313



Tritanopia

67.0263, 71.5130, 92.7088

Trichromacy



Original Color

66.5756, 71.7271, 90.4566

Protanomaly

68.3202, 71.4807, 88.7936

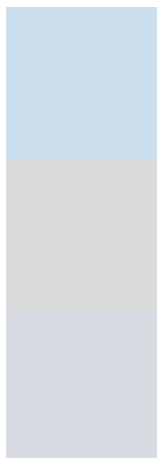
Deuteranomaly

70.3697, 71.3284, 90.9478

Tritanomaly

66.8781, 71.4537, 91.9284

Monochromacy



Original Color

66.5756, 71.7271, 90.4566

Achromatopsia

67.3311, 70.8376, 77.1421

Achromatomaly

67.0522, 70.9735, 82.1167

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.5756, 71.7271, 90.4566 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(204, 223, 237) looks like.

```
.text, #text, p{  
    color:rgb(204, 223, 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(204, 223, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 223, 237) }
```

Border

The CSS property to change the border of an element to XYZ 66.5756, 71.7271, 90.4566 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(204, 223, 237) }
```


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

```
.border{ border-color:rgb(204, 223, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 223, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 223, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 223, 237);  
box-shadow:4px 4px 4px 4px rgb(204, 223,  
237) }
```

Background

The CSS property to change the background color of an element to XYZ 66.5756, 71.7271, 90.4566 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 223, 237) }
```

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

```
.background{ background-color: rgb(204,  
223, 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](#).

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