

Converting Colors

XYZ(46.9966, 62.8343, 89.7720)

Have a look what the booklet for
XYZ(46.9966, 62.8343, 89.7720)
contains.

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Color

**XYZ(46.9966, 62.8343,
89.7720)**

Conversions

Conversions Part 1

Format	Color
Hex	5DE2ED
RGB	93, 226, 237
RGB Percent	36%, 89%, 93%
CMY	0.6353, 0.1137, 0.0706
CMYK	0.61, 0.05, 0.00, 0.07
HSL	185°, 80%, 65%
HSV	185°, 61%, 93%
XYZ	46.9966, 62.8343, 89.7720
YIQ	187.4870, -82.7990, -24.7750

Conversions

Conversions Part 2

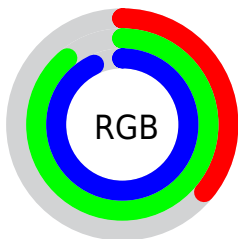
Format	Color
RYB	93, 162, 237
Decimal	6152941
CIELab	83.36, -32.88, -16.24
CIElCh	83, 36.667, 206.283
Yxy	62.8343, 0.2355, 0.3148
Android (android.graphics.Color)	4284343021 (0xFF5DE2ED)
YUV	187.4870, 24.4099, -82.8651
Hunter-Lab	79.2681, -32.8898, -11.6589

Details

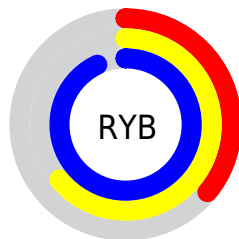
The XYZ color **46.9966, 62.8343, 89.7720** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **41.8525, 28.6969, 13.6908**, and the grayscale version is **47.4110, 49.8801, 54.3194**.

A 20% lighter version of the original color is **67.7146, 85.9081, 107.6207**, and **22.7152, 32.0856, 48.7120** is the 20% darker color. If you saturate the color by 10%, you get **44.4700, 60.8063, 89.5149**, and if you desaturate by 10%, it is **50.2753, 65.2605, 90.0686**.

Distribution



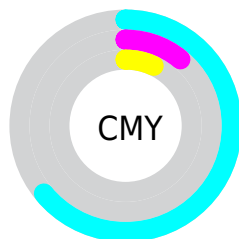
- Red (36%)
- Green (89%)
- Blue (93%)



- Red (36%)
- Yellow (64%)
- Blue (93%)



- Cyan (61%)
- Magenta (5%)
- Yellow (0%)
- Black (7%)





- Cyan (64%)
- Magenta (11%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.9966, 62.8343, 89.7720 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 46.9966, 62.8343, 89.7720 by changing the saturation by 10% instead.

 46.9966, 62.8343,
89.7720


 46.9966, 62.8343,
89.7720


365.4501,
434.9679, 547.8399


 33.2409, 45.7072,
67.2189


 84.9273, 108.9304,
148.9544


 22.4712, 32.0148,
48.7998

 109.8331,
138.6682, 186.4208

 14.3221, 21.3728,
34.0962

 139.1862,
173.3783, 229.6954

 8.4282, 13.3968,
22.6896

 173.3520,
213.4452, 279.1967

 4.4242, 7.7023,
14.1613

212.6960,
259.2532, 335.3432

 1.9448, 3.9051,
8.0929

257.5834,

 0.6027, 1.6206,

311.1867, 398.5536

4.0658

308.3797,
369.6301, 469.2463

■ 0.0000, 0.3714,
1.6615

■ 0.0000, 0.0000,
0.3342

■ 46.9966, 62.8343,
89.7720

■ 46.9966, 62.8343,
89.7720

■ 44.4700, 60.8063,
89.5149

■ 50.2753, 65.2605,
90.0686

■ 42.6185, 59.1326,
89.2894


■ 54.3626, 68.1099,
90.4032


■ 41.3590, 57.7717,
89.0931


■ 59.3159, 71.4136,
90.7798


■ 40.5917, 56.7253,
88.9316


■ 65.1861, 75.1977,
91.2008

 72.0199, 79.4863,
91.6684

 79.8610, 84.3021,
92.1847

 87.2976, 88.9172,
92.6835

 87.8293, 89.9805,
92.8608

 88.3663, 91.0545,
93.0398

Harmonies

Analogous

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



45.6847, 62.8343, 65.6070



46.9966, 62.8343, 89.7720



51.6051, 62.8343, 111.8518

Triad

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



46.9966, 62.8343, 89.7720



73.4123, 62.8343, 95.8154



60.7221, 62.8343, 33.2725

Complementary

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



46.9966, 62.8343, 89.7720



41.8525, 28.6969, 13.6908

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.



68.6485, 62.8343, 37.9927



46.9966, 62.8343, 89.7720



76.3753, 62.8343, 71.3037

Square

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



46.9966, 62.8343, 89.7720



66.7757, 62.8343, 115.8512



74.5595, 62.8343, 50.7475



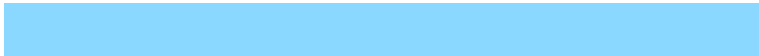
53.1836, 62.8343, 36.1007

Rectangle

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



46.9966, 62.8343, 89.7720



56.1579, 62.8343, 120.5868



74.5595, 62.8343, 50.7475



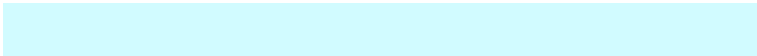
63.4341, 62.8343, 33.9954

Sweetspot

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



46.9985, 62.8367, 89.7735



79.0246, 90.0935, 107.8325



37.2281, 63.8682, 23.0944



16.4373, 18.9814, 23.0474



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.



46.9985, 62.8367, 89.7735



51.8845, 71.2615, 105.6280



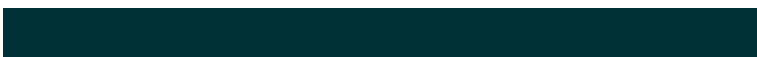
31.5901, 32.0197, 84.6373



15.4135, 16.9135, 19.3745



22.2050, 31.0570, 48.5672



1.7730, 2.4974, 3.8235

Inverse Universe

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



52.5685, 31.3260, 75.2299



59.2036, 31.8357, 86.0732



52.1547, 49.3012, 17.1249



15.6623, 15.2928, 18.7728



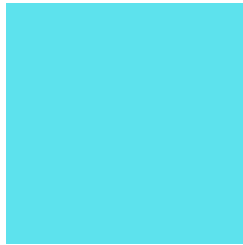
26.0634, 12.6280, 37.7306



2.0614, 0.9975, 3.0408

Previews

White Background



This preview shows how the XYZ color 46.9966, 62.8343, 89.7720 looks on a white background.

Color Contrast Check

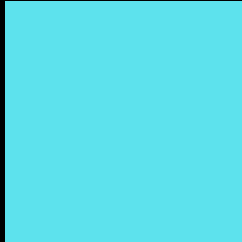
Large Text (above 18pt) WCAG AA × Fail

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 46.9966, 62.8343, 89.7720 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 46.9966, 62.8343, 89.7720

Background



This preview shows how black text looks on a background with the XYZ color 46.9966, 62.8343, 89.7720.

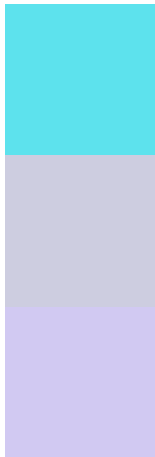


This preview shows how white text looks on a background with the XYZ color 46.9966, 62.8343,

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

46.9966, 62.8343, 89.7720

Protanopia

60.4627, 62.0236, 79.3060

Deuteranopia

63.2082, 61.7394, 92.5899



Tritanopia

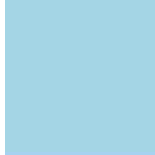
47.9267, 62.8083, 94.3912

Trichromacy



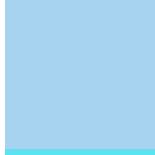
Original Color

46.9966, 62.8343, 89.7720



Protanomaly

53.2469, 61.1382, 83.1232



Deuteranomaly

54.7111, 60.5999, 91.2515



Tritanomaly

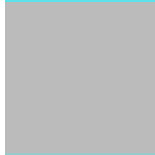
47.5217, 62.6342, 92.8040

Monochromacy



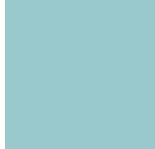
Original Color

46.9966, 62.8343, 89.7720



Achromatopsia

47.2335, 49.6933, 54.1160



Achromatomaly

45.0430, 52.9534, 65.6046

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.9966, 62.8343, 89.7720 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(93, 226, 237)` looks like.

```
.text, #text, p{  
    color:rgb(93, 226, 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(93, 226, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 226, 237) }
```

Border

The CSS property to change the border of an element to XYZ 46.9966, 62.8343, 89.7720 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(93, 226, 237) }
```


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

```
.border{ border-color:rgb(93, 226, 237) }
```

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

Here you see how a box with a 4 pixel rgb(93, 226, 237) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 226, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 226, 237);  
box-shadow:4px 4px 4px 4px rgb(93, 226,  
237) }
```

Background

The CSS property to change the background color of an element to XYZ 46.9966, 62.8343, 89.7720 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 226, 237) }
```

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

```
.background{ background-color: rgb(93, 226,  
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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