

Converting Colors

XYZ(45.9842, 51.2522, 65.4508)

Have a look what the booklet for
XYZ(45.9842, 51.2522, 65.4508)
contains.

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Color

**XYZ(46.0516, 51.4373,
65.2588)**

Conversions

Conversions Part 1

Format	Color
Hex	A5C3CD
RGB	165, 195, 205
RGB Percent	65%, 76%, 80%
CMY	0.3529, 0.2353, 0.1961
CMYK	0.20, 0.05, 0.00, 0.20
HSL	195°, 29%, 73%
HSV	195°, 20%, 80%
XYZ	46.0516, 51.4373, 65.2588
YIQ	187.1700, -21.0900, -3.2500

Conversions

Conversions Part 2

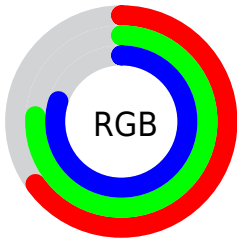
Format	Color
RYB	165, 182, 205
Decimal	10863565
CIELab	76.94, -7.91, -8.38
CIELCh	77, 11.520, 226.659
Yxy	51.4373, 0.2830, 0.3161
Android (android.graphics.Color)	4289053645 (0xFFA5C3CD)
YUV	187.1700, 8.7902, -19.4431
Hunter-Lab	71.7198, -10.8940, -3.7449

Details

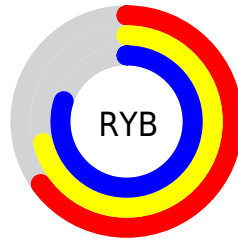
The XYZ color **46.0516, 51.4373, 65.2588** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **47.2988, 46.3558, 42.0530**, and the grayscale version is **47.2917, 49.7545, 54.1827**.

A 20% lighter version of the original color is **82.3756, 92.0565, 108.0348**, and **21.7929, 24.7289, 32.9027** is the 20% darker color. If you saturate the color by 10%, you get **40.9966, 47.1575, 64.7000**, and if you desaturate by 10%, it is **51.8325, 56.1525, 65.8651**.

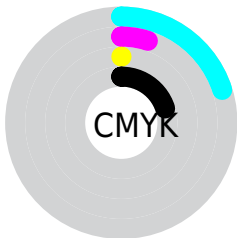
Distribution



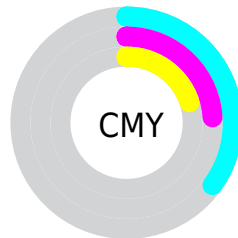
- Red (65%)
- Green (76%)
- Blue (80%)



- Red (65%)
- Yellow (71%)
- Blue (80%)



- Cyan (20%)
- Magenta (5%)
- Yellow (0%)
- Black (20%)



- Cyan (35%)
- Magenta (24%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.0516, 51.4373, 65.2588 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 46.0516, 51.4373, 65.2588 by changing the saturation by 10% instead.

■ 46.0516, 51.4373,
65.2588

■ 46.0516, 51.4373,
65.2588

361.7285,
392.2604, 462.0530

■ 32.4913, 36.5567,
47.2183

■ 83.5236, 92.3008,
114.0387

■ 21.8944, 24.8645,
32.8527

■ 108.1661,
119.0526, 145.6151

■ 13.8955, 15.9761,
21.7434

137.2333,
150.5303, 182.5407

■ 8.1292, 9.5073,
13.4720

171.0907,
187.1182, 225.2338

■ 4.2303, 5.0735,
7.6198

210.1035,
229.2008, 274.1130

■ 1.8332, 2.2905,
3.7684

254.6372,

■ 0.5376, 0.7686,

277.1624, 329.5970

1.4992

305.0571,
331.3875, 392.1041

■ 0.0000, 0.0000,
0.2173

■ 0.0000, 0.0000,
0.0000

■ 46.0516, 51.4373,
65.2588

■ 46.0516, 51.4373,
65.2588

■ 40.9966, 47.1575,
64.7000

■ 51.8325, 56.1525,
65.8651

■ 36.6301, 43.2892,
64.1835

■ 58.3654, 61.3131,
66.5168

■ 32.9181, 39.8155,
63.7086

■ 65.6809, 66.9367,
67.2167

■ 29.8216, 36.7160,
63.2736

■ 73.8061, 73.0380,
67.9662

■ 27.2975, 33.9677,
62.8761

■ 78.0166, 77.1818,
68.5441

■ 25.2968, 31.5446,
62.5139

■ 79.3871, 79.9229,
69.0009

■ 23.7614, 29.4164,
62.1840

■ 80.7993, 82.7472,
69.4716

■ 22.5900, 27.5300,
61.8816

■ 82.2534, 85.6554,
69.9564

■ 22.5362, 27.4410,
61.8673

■ 83.7498, 88.6483,
70.4552

Harmonies

Analogous

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



44.9592, 51.4373, 59.5412



46.0516, 51.4373, 65.2588



47.9228, 51.4373, 68.6010

Triad

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



46.0516, 51.4373, 65.2588



53.1094, 51.4373, 58.8402



47.6904, 51.4373, 45.2130

Complementary

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



46.0516, 51.4373, 65.2588



47.2988, 46.3558, 42.0530

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.



49.8693, 51.4373, 45.0562



46.0516, 51.4373, 65.2588



53.0426, 51.4373, 52.6145

Square

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



46.0516, 51.4373, 65.2588



52.0217, 51.4373, 64.7127



51.8419, 51.4373, 47.6728



45.8859, 51.4373, 48.1184

Rectangle

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



46.0516, 51.4373, 65.2588



49.3803, 51.4373, 68.8813



51.8419, 51.4373, 47.6728



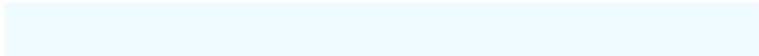
48.4021, 51.4373, 44.8451

Sweetspot

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



46.0531, 51.4394, 65.2600



88.4356, 94.7971, 108.2444



45.0219, 54.7319, 48.4074



18.7807, 20.1728, 23.1538



0.0000, 0.0000, 0.0000



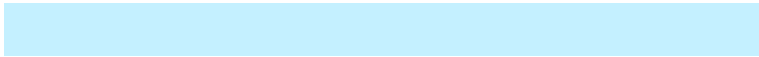
20.3446, 21.4041, 23.3091

Same Dimension

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



46.0531, 51.4394, 65.2600



72.1667, 81.5239, 106.5398



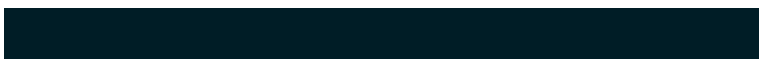
41.9976, 43.3283, 63.9081



11.2966, 12.2336, 14.3363



14.1082, 17.2403, 38.5404



0.7857, 1.0052, 2.0075

Inverse Universe

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



48.4835, 43.8307, 57.5369



76.8379, 67.2095, 91.6269



51.3353, 54.4288, 43.3985



11.5631, 11.3540, 13.4997



19.3321, 9.5434, 19.9991



1.0265, 0.5040, 1.1856

Previews

White Background



This preview shows how the XYZ color 46.0516, 51.4373, 65.2588 looks on a white background.

Color Contrast Check

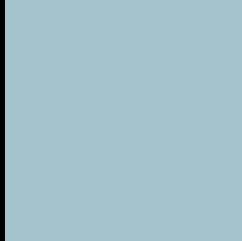
Large Text (above 18pt) WCAG AA × Fail

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 46.0516, 51.4373, 65.2588 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

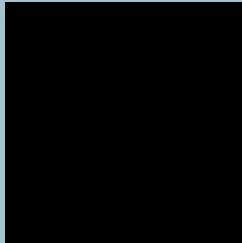
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.0516, 51.4373, 65.2588

Background



This preview shows how black text looks on a background with the XYZ color 46.0516, 51.4373, 65.2588.



This preview shows how white text looks on a background with the XYZ color 46.0516, 51.4373,

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

46.0516, 51.4373, 65.2588

Protanopia

49.7610, 51.1306, 62.5049

Deuteranopia

52.2224, 51.0653, 66.1357



Tritanopia

46.6505, 51.3437, 68.4243

Trichromacy



Original Color

46.0516, 51.4373, 65.2588

Protanomaly

48.3475, 51.3496, 63.2404

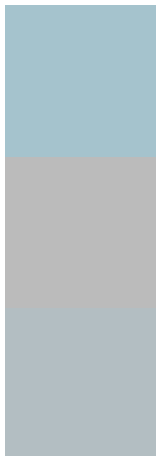
Deuteranomaly

49.6173, 50.9875, 65.6190

Tritanomaly

46.4028, 51.2446, 67.1200

Monochromacy



Original Color

46.0516, 51.4373, 65.2588

Achromatopsia

47.2335, 49.6933, 54.1160

Achromatomaly

46.7415, 50.3057, 58.2854

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.0516, 51.4373, 65.2588 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(165, 195, 205)` looks like.

```
.text, #text, p{  
    color:rgb(165, 195, 205)  
}
```

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(165, 195, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 195, 205) }
```

Border

The CSS property to change the border of an element to XYZ 46.0516, 51.4373, 65.2588 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(165, 195, 205) }
```


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

```
.border{ border-color:rgb(165, 195, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 195, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 195, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 195, 205);  
box-shadow:4px 4px 4px 4px rgb(165, 195,  
205) }
```

Background

The CSS property to change the background color of an element to XYZ 46.0516, 51.4373, 65.2588 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 195, 205) }
```

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

```
.background{ background-color: rgb(165,  
195, 205) }
```

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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