

Converting Colors

XYZ(46.6305, 66.1184, 76.9169)

Have a look what the booklet for
XYZ(46.6305, 66.1184, 76.9169)
contains.

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Color

**XYZ(46.6938, 66.2873,
76.6634)**

Conversions

Conversions Part 1

Format	Color
Hex	5EEADA
RGB	94, 234, 218
RGB Percent	37%, 92%, 85%
CMY	0.6313, 0.0823, 0.1451
CMYK	0.60, 0.00, 0.07, 0.08
HSL	173°, 77%, 64%
HSV	173°, 60%, 92%
XYZ	46.6938, 66.2873, 76.6634
YIQ	190.3160, -78.3040, -34.6560

Conversions

Conversions Part 2

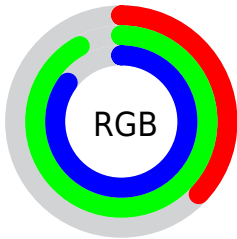
Format	Color
RYB	94, 168, 234
Decimal	6220506
CIELab	85.14, -41.43, -3.54
CIElCh	85, 41.584, 184.886
Yxy	66.2873, 0.2462, 0.3495
Android (android.graphics.Color)	4284410586 (0xFF5EEADA)
YUV	190.3160, 13.6482, -84.4691
Hunter-Lab	81.4170, -40.1075, 1.1636

Details

The XYZ color **46.6938, 66.2873, 76.6634** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light muted cyan. A complement of this color would be **40.7511, 26.6255, 17.7456**, and the grayscale version is **49.0837, 51.6398, 56.2358**.

A 20% lighter version of the original color is **67.7146, 85.9081, 107.6207**, and **22.5313, 34.4851, 40.1191** is the 20% darker color. If you saturate the color by 10%, you get **44.3014, 65.0957, 74.7403**, and if you desaturate by 10%, it is **49.8228, 67.8612, 78.6534**.

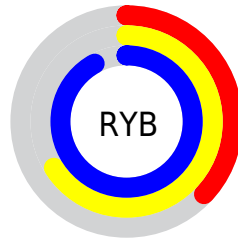
Distribution



Red (37%)

Green (92%)

Blue (85%)



Red (37%)

Yellow (66%)

Blue (92%)

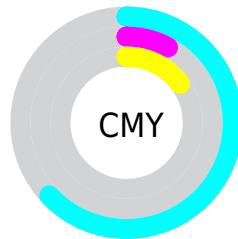


Cyan (60%)

Magenta (0%)

Yellow (7%)

Black (8%)



Cyan (63%)


Magenta (8%)


Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.6938, 66.2873, 76.6634 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 46.6938, 66.2873, 76.6634 by changing the saturation by 10% instead.


 46.6938, 66.2873,
76.6634


 46.6938, 66.2873,
76.6634


364.2603,
447.4037, 503.0228


 33.0006, 48.5057,
56.4667


 84.4779, 113.8986,
130.4329


 22.2861, 34.2275,
40.1708

 109.2995,
144.4970, 164.8428

 14.1851, 23.0684,
27.3569


 138.5613,
180.1365, 204.8276

 8.3321, 14.6440,
17.6066

 172.6286,
221.2015, 250.8057

 4.3617, 8.5700,
10.5014

211.8668,
268.0763, 303.1957

 1.9088, 4.4618,
5.6227

256.6413,

 0.5819, 1.9351,

321.1453, 362.4162

2.5520

307.3173,
380.7930, 428.8857

0.0000, 0.5693,
0.8675

0.0000, 0.0000,
0.0000

46.6938, 66.2873,
76.6634

46.6938, 66.2873,
76.6634

44.3014, 65.0957,
74.7403

49.8228, 67.8612,
78.6534

42.5718, 64.2435,
72.8761

53.7423, 69.8403,
80.7085


41.4260, 63.6917,
71.0685


58.5076, 72.2548,
82.8330


40.7285, 63.3703,
69.3109


64.1674, 75.1298,
85.0293


 40.7178, 63.3654,
69.2808

 70.7670, 78.4886,
87.2995

 78.3483, 82.3528,
89.6459

 85.9098, 86.2062,
92.0216

 86.3030, 86.3635,
94.0923

 86.7021, 86.5231,
96.1938

Harmonies

Analogous

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



48.0488, 66.2873, 52.4044



46.6938, 66.2873, 76.6634



49.3421, 66.2873, 105.9181

Triad

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



46.6938, 66.2873, 76.6634



73.8885, 66.2873, 123.3552



70.9699, 66.2873, 34.7914

Complementary

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



46.6938, 66.2873, 76.6634



40.7511, 26.6255, 17.7456

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.



78.9804, 66.2873, 46.4886



46.6938, 66.2873, 76.6634



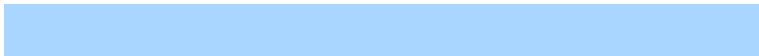
80.7792, 66.2873, 96.3826

Square

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



46.6938, 66.2873, 76.6634



64.5522, 66.2873, 136.8129



82.7288, 66.2873, 67.8665



61.4809, 66.2873, 31.9850

Rectangle

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



46.6938, 66.2873, 76.6634



53.1923, 66.2873, 123.1869



82.7288, 66.2873, 67.8665



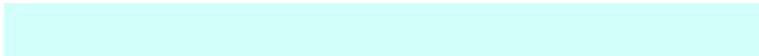
73.9538, 66.2873, 37.6421

Sweetspot

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



46.6957, 66.2899, 76.6650



79.2995, 91.9766, 103.8137



37.9172, 62.9929, 20.7515



16.5057, 19.4490, 22.0504



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.



46.6957, 66.2899, 76.6650



53.2413, 78.8161, 90.2594



35.8581, 41.0999, 83.8879



15.4392, 17.0905, 18.9956



22.9104, 35.6186, 39.0886



1.8201, 2.8054, 3.1805

Inverse Universe

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



40.7511, 26.6255, 17.7456



45.4674, 26.5970, 12.9512



46.4921, 39.3783, 15.7414



15.1355, 15.0820, 15.9987



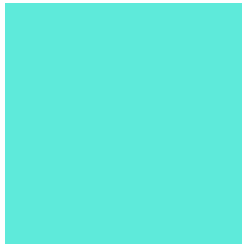
19.2003, 9.8828, 1.5903



1.5308, 0.7853, 0.2467

Previews

White Background



This preview shows how the XYZ color 46.6938, 66.2873, 76.6634 looks on a white background.

Color Contrast Check

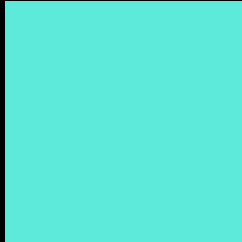
Large Text (above 18pt) WCAG AA × Fail

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 46.6938, 66.2873, 76.6634 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

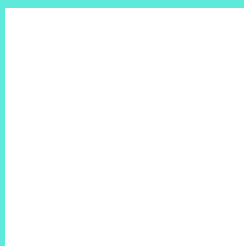
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.6938, 66.2873, 76.6634

Background



This preview shows how black text looks on a background with the XYZ color 46.6938, 66.2873, 76.6634.

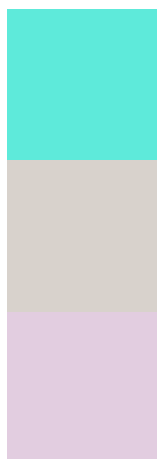


This preview shows how white text looks on a background with the XYZ color 46.6938, 66.2873,

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

46.6938, 66.2873, 76.6634

Protanopia

62.2646, 65.0517, 66.4013

Deuteranopia

66.6499, 65.2132, 79.5956



Tritanopia

51.1839, 66.4351, 98.9325

Trichromacy



Original Color

46.6938, 66.2873, 76.6634



Protanomaly

53.8534, 64.0371, 69.8436



Deuteranomaly

56.1008, 63.8506, 78.4748



Tritanomaly

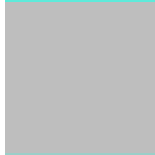
49.3415, 66.0910, 90.2770

Monochromacy



Original Color

46.6938, 66.2873, 76.6634



Achromatopsia

48.9429, 51.4918, 56.0745



Achromatomaly

46.0142, 55.2813, 62.8887

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.6938, 66.2873, 76.6634 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(94, 234, 218)` looks like.

```
.text, #text, p{  
    color:rgb(94, 234, 218)  
}
```

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(94, 234, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 234, 218) }
```

Border

The CSS property to change the border of an element to XYZ 46.6938, 66.2873, 76.6634 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(94, 234, 218) }
```


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

```
.border{ border-color:rgb(94, 234, 218) }
```

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

Here you see how a box with a 4 pixel rgb(94, 234, 218) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 234, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 234, 218);  
box-shadow:4px 4px 4px 4px rgb(94, 234,  
218) }
```

Background

The CSS property to change the background color of an element to XYZ 46.6938, 66.2873, 76.6634 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 234, 218) }
```

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

```
.background{ background-color: rgb(94, 234,  
218) }
```

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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