

Converting Colors

XYZ(45.8560, 61.3346, 76.4397)

Have a look what the booklet for
XYZ(45.8560, 61.3346, 76.4397)
contains.

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Color

**XYZ(45.8560, 61.3346,
76.4397)**

Conversions

Conversions Part 1

Format	Color
Hex	70DFDB
RGB	112, 223, 219
RGB Percent	44%, 87%, 86%
CMY	0.5608, 0.1255, 0.1412
CMYK	0.50, 0.00, 0.02, 0.13
HSL	178°, 63%, 66%
HSV	178°, 50%, 87%
XYZ	45.8560, 61.3346, 76.4397
YIQ	189.3550, -64.8720, -24.7760

Conversions

Conversions Part 2

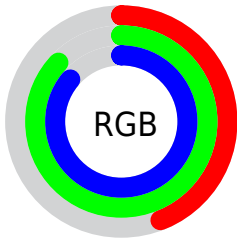
Format	Color
RYB	112, 169, 223
Decimal	7397339
CIELab	82.56, -32.67, -7.82
CIELCh	83, 33.591, 193.470
Yxy	61.3346, 0.2497, 0.3340
Android (android.graphics.Color)	4285587419 (0xFF70DFDB)
YUV	189.3550, 14.6150, -67.8403
Hunter-Lab	78.3164, -32.5380, -3.0477

Details

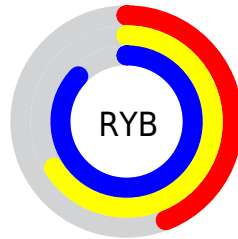
The XYZ color **45.8560, 61.3346, 76.4397** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **39.3801, 28.5392, 19.9583**, and the grayscale version is **48.5202, 51.0471, 55.5902**.

A 20% lighter version of the original color is **70.6046, 87.3979, 107.7560**, and **21.6918, 30.9221, 39.9472** is the 20% darker color. If you saturate the color by 10%, you get **43.2572, 60.0085, 75.7681**, and if you desaturate by 10%, it is **49.1615, 63.0278, 77.1497**.

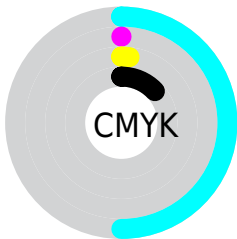
Distribution



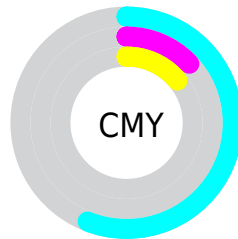
- Red (44%)
- Green (87%)
- Blue (86%)



- Red (44%)
- Yellow (66%)
- Blue (87%)



- Cyan (50%)
- Magenta (0%)
- Yellow (2%)
- Black (13%)





- Cyan (56%)
- Magenta (13%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.8560, 61.3346, 76.4397 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 45.8560, 61.3346, 76.4397 by changing the saturation by 10% instead.


 45.8560, 61.3346,
76.4397


 45.8560, 61.3346,
76.4397


360.9551,
429.4998, 502.2384

 32.3363, 44.4953,
56.2843


 83.2326, 106.7633,
130.1140

 21.7753, 31.0600,
40.0254


 107.8203,
136.1214, 164.4701

 13.8076, 20.6446,
27.2444


 136.8281,
170.4212, 204.3967

 8.0678, 12.8645,
17.5228

170.6212,
210.0471, 250.3126

 4.1905, 7.3353,
10.4421

209.5651,
255.3835, 302.6361

 1.8105, 3.6726,
5.5836

254.0252,

 0.5240, 1.4922,

306.8149, 361.7859

2.5289

304.3667,
364.7255, 428.1805

■ 0.0000, 0.2832,
0.8554

■ 0.0000, 0.0000,
0.0000

■ 45.8560, 61.3346,
76.4397

■ 45.8560, 61.3346,
76.4397

■ 43.2572, 60.0085,
75.7681

■ 49.1615, 63.0278,
77.1497

■ 41.3069, 59.0152,
75.1282

■ 53.2157, 65.1055,
77.8961


■ 39.9465, 58.3260,
74.5186


■ 58.0638, 67.5924,
78.6823


■ 39.1045, 57.9040,
73.9358

■ 63.7457, 70.5091,
79.5102


 38.6583, 57.6859,
73.3743


 70.2988, 73.8749,
80.3816

 38.6497, 57.6817,
73.3617

 77.7582, 77.7078,
81.2981

 81.1688, 79.4534,
82.0278

 81.2786, 79.4973,
82.6057

 81.3888, 79.5414,
83.1863

Harmonies

Analogous

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



46.0190, 61.3346, 56.1368



45.8560, 61.3346, 76.4397



48.8256, 61.3346, 97.9034

Triad

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



45.8560, 61.3346, 76.4397



68.3375, 61.3346, 99.8457



62.3203, 61.3346, 35.5560

Complementary

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



45.8560, 61.3346, 76.4397



39.3801, 28.5392, 19.9583

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.



68.9196, 61.3346, 43.0736



45.8560, 61.3346, 76.4397



72.5842, 61.3346, 78.6966

Square

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



45.8560, 61.3346, 76.4397



61.5776, 61.3346, 113.1764



72.8056, 61.3346, 57.9758



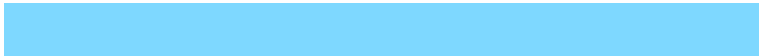
55.1344, 61.3346, 35.1976

Rectangle

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



45.8560, 61.3346, 76.4397



52.3355, 61.3346, 108.8535



72.8056, 61.3346, 57.9758



64.6942, 61.3346, 37.2463

Sweetspot

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



45.8578, 61.3370, 76.4411



82.1297, 93.3649, 107.1404



36.7245, 57.7678, 24.5455



17.2365, 19.8081, 22.8818



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.



45.8578, 61.3370, 76.4411



58.4139, 81.2145, 102.6156



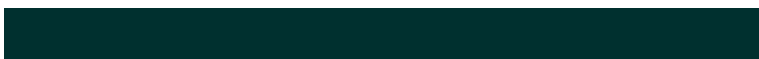
34.9566, 38.6810, 75.4384



14.0941, 15.5634, 17.5308



22.7340, 33.9184, 43.1837



1.5826, 2.3537, 3.0289

Inverse Universe

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



39.3801, 28.5392, 19.9583



48.6725, 31.8352, 17.6323



46.2698, 42.6832, 21.1308



13.7272, 13.7085, 14.3334



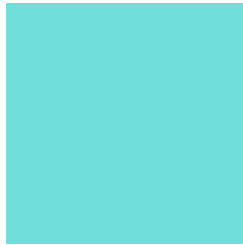
17.9279, 9.2382, 1.0204



1.2498, 0.6432, 0.1084

Previews

White Background



This preview shows how the XYZ color 45.8560, 61.3346, 76.4397 looks on a white background.

Color Contrast Check

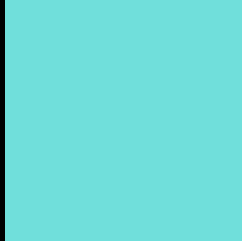
Large Text (above 18pt) WCAG AA × Fail

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 45.8560, 61.3346, 76.4397 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

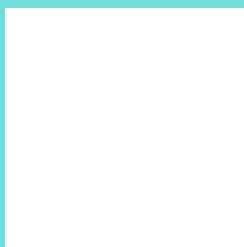
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 45.8560, 61.3346, 76.4397

Background



This preview shows how black text looks on a background with the XYZ color 45.8560, 61.3346, 76.4397.

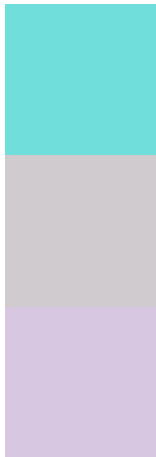


This preview shows how white text looks on a background with the XYZ color 45.8560, 61.3346,

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

45.8560, 61.3346, 76.4397

Protanopia

58.3505, 60.4823, 67.6303

Deuteranopia

61.9023, 60.6757, 78.9700



Tritanopia

48.4970, 61.2110, 90.1478

Trichromacy



Original Color

45.8560, 61.3346, 76.4397



Protanomaly

51.8177, 59.5670, 70.3945



Deuteranomaly

54.1008, 59.8507, 77.8082



Tritanomaly

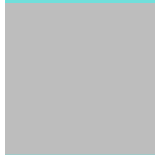
47.4827, 61.1954, 84.9106

Monochromacy



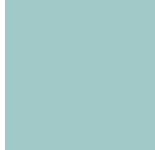
Original Color

45.8560, 61.3346, 76.4397



Achromatopsia

48.3692, 50.8881, 55.4172



Achromatomaly

46.0099, 53.5205, 62.5491

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.8560, 61.3346, 76.4397 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(112, 223, 219)` looks like.

```
.text, #text, p{  
    color:rgb(112, 223, 219)  
}
```

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(112, 223, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 223, 219) }
```

Border

The CSS property to change the border of an element to XYZ 45.8560, 61.3346, 76.4397 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(112, 223, 219) }
```


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

```
.border{ border-color:rgb(112, 223, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 223, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(112, 223, 219); -webkit-box-shadow:4px 4px 4px 4px rgb(112, 223, 219); box-shadow:4px 4px 4px 4px rgb(112, 223, 219) }
```

Background

The CSS property to change the background color of an element to XYZ 45.8560, 61.3346, 76.4397 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 223, 219) }
```

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

```
.background{ background-color: rgb(112,  
223, 219) }
```

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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