

Converting Colors

XYZ(45.3397, 61.7735, 80.7680)

Have a look what the booklet for
XYZ(45.3397, 61.7735, 80.7680)
contains.

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Color

**XYZ(45.3397, 61.7735,
80.7680)**

Conversions

Conversions Part 1

Format	Color
Hex	60E1E1
RGB	96, 225, 225
RGB Percent	38%, 88%, 88%
CMY	0.6235, 0.1176, 0.1176
CMYK	0.57, 0.00, 0.00, 0.12
HSL	180°, 68%, 63%
HSV	180°, 57%, 88%
XYZ	45.3397, 61.7735, 80.7680
YIQ	186.4290, -76.8840, -27.3480

Conversions

Conversions Part 2

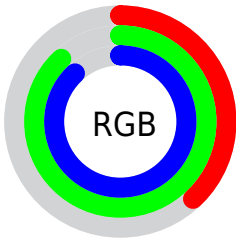
Format	Color
R_{YB}	96, 161, 225
Decimal	6349281
CIE _{Lab}	82.79, -35.16, -10.71
CIE _{LCh}	83, 36.751, 196.949
Yxy	61.7735, 0.2413, 0.3288
Android (android.graphics.Color)	4284539361 (0xFF60E1E1)
YUV	186.4290, 19.0155, -79.3062
Hunter-Lab	78.5961, -34.5720, -5.9111

Details

The XYZ color **45.3397, 61.7735, 80.7680** is a light color, and the websafe version is hex **33CCCC**. A complement of this color would be **37.3476, 25.2197, 13.9678**, and the grayscale version is **46.8421, 49.2815, 53.6676**.

A 20% lighter version of the original color is **67.9106, 86.0091, 107.6299**, and **21.4437, 31.2782, 42.9373** is the 20% darker color. If you saturate the color by 10%, you get **43.3031, 60.7250, 80.6738**, and if you desaturate by 10%, it is **48.0573, 63.1759, 80.8968**.

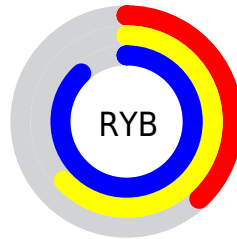
Distribution



Red (38%)

Green (88%)

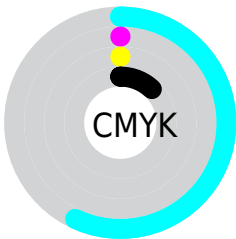
Blue (88%)



Red (38%)

Yellow (63%)

Blue (88%)

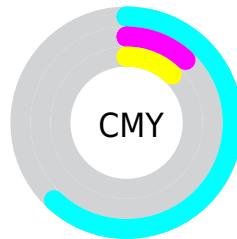


Cyan (57%)

Magenta (0%)

Yellow (0%)

Black (12%)



Cyan (62%)


Magenta (12%)


Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.3397, 61.7735, 80.7680 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 45.3397, 61.7735, 80.7680 by changing the saturation by 10% instead.


 45.3397, 61.7735,
80.7680

 45.3397, 61.7735,
80.7680


358.9082,
431.1044, 517.2921


 31.9275, 44.8497,
59.8207


 82.4639, 107.3981,
136.2661


 21.4614, 31.3391,
42.8497


 106.9065,
136.8677, 171.6539

 13.5761, 20.8572,
29.4367


 135.7567,
171.2880, 212.6924

 7.9061, 13.0196,
19.1630

 169.3798,
211.0435, 259.7999

 4.0862, 7.4421,
11.6101

208.1412,
256.5185, 313.3951

 1.7510, 3.7401,
6.3595

252.4061,

 0.4879, 1.5293,

308.0973, 373.8965

2.9926

302.5400,
366.1645, 441.7227

■ 0.0000, 0.3092,
1.0908

■ 0.0000, 0.0000,
0.0000

■ 45.3397, 61.7735,
80.7680

■ 45.3397, 61.7735,
80.7680

■ 43.3031, 60.7250,
80.6738

■ 48.0573, 63.1759,
80.8968

■ 41.8824, 59.9926,
80.6071


■ 51.5028, 64.9521,
81.0583


■ 41.0097, 59.5427,
80.5660


■ 55.7255, 67.1290,
81.2562


■ 40.5920, 59.3274,
80.5462


■ 60.7688, 69.7289,
81.4925


 40.5168, 59.2886,
80.5426

 66.6728, 72.7725,
81.7690

 73.4751, 76.2792,
82.0876

 81.2109, 80.2671,
82.4499

 81.7574, 80.5489,
82.4758

 81.7575, 80.5489,
82.4760

Harmonies

Analogous

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



45.1148, 61.7735, 57.9007



45.3397, 61.7735, 80.7680



48.9357, 61.7735, 104.3554

Triad

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



45.3397, 61.7735, 80.7680



70.5380, 61.7735, 101.5739



62.2140, 61.7735, 33.1383

Complementary

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



45.3397, 61.7735, 80.7680



37.3476, 25.2197, 13.9678

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.



69.7148, 61.7735, 40.1986



45.3397, 61.7735, 80.7680



74.8031, 61.7735, 77.5790

Square

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



45.3397, 61.7735, 80.7680



63.2580, 61.7735, 118.0937



74.4890, 61.7735, 55.3503



54.3927, 61.7735, 33.6188

Rectangle

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



45.3397, 61.7735, 80.7680



52.9604, 61.7735, 115.8019



74.4890, 61.7735, 55.3503



64.8696, 61.7735, 34.6269

Sweetspot

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



45.3416, 61.7759, 80.7695



80.8605, 92.6850, 108.2354



34.0917, 57.3024, 20.3315



16.9970, 19.6784, 23.1523



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.



45.3416, 61.7759, 80.7695



57.0382, 80.4042, 107.1187



31.4516, 33.9956, 76.1409



14.1166, 15.5724, 17.6494



23.3468, 34.1636, 46.4106



1.6183, 2.3680, 3.2169

Inverse Universe

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



37.3476, 25.2197, 13.9678



45.4528, 27.4245, 10.3050



45.4516, 41.4278, 16.6687



13.7073, 13.7006, 14.2288



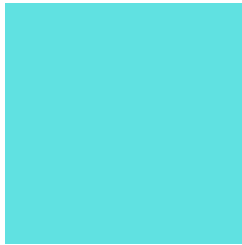
17.8932, 9.2243, 0.8375



1.2403, 0.6394, 0.0581

Previews

White Background



This preview shows how the XYZ color 45.3397, 61.7735, 80.7680 looks on a white background.

Color Contrast Check

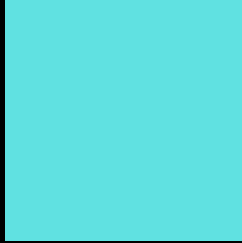
Large Text (above 18pt) WCAG AA × Fail

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 45.3397, 61.7735, 80.7680 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

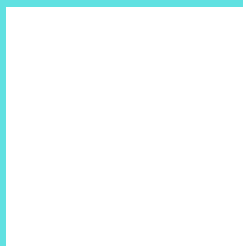
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 45.3397, 61.7735, 80.7680

Background



This preview shows how black text looks on a background with the XYZ color 45.3397, 61.7735, 80.7680.

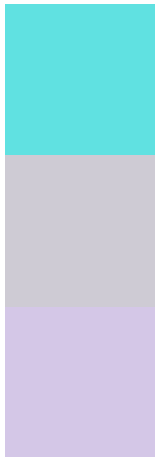


This preview shows how white text looks on a background with the XYZ color 45.3397, 61.7735,

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

45.3397, 61.7735, 80.7680

Protanopia

58.6932, 60.5871, 70.8884

Deuteranopia

61.9986, 60.6134, 84.0332



Tritanopia

47.7444, 61.9510, 92.6604

Trichromacy



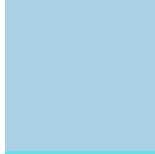
Original Color

45.3397, 61.7735, 80.7680



Protanomaly

51.5445, 59.7053, 74.4532



Deuteranomaly

53.2763, 59.3149, 82.7697



Tritanomaly

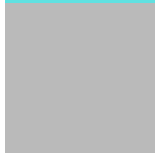
46.9066, 62.0188, 88.0958

Monochromacy



Original Color

45.3397, 61.7735, 80.7680



Achromatopsia

46.6715, 49.1021, 53.4722



Achromatomaly

44.2165, 52.2510, 62.3986

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.3397, 61.7735, 80.7680 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(96, 225, 225)` looks like.

```
.text, #text, p{  
    color:rgb(96, 225, 225)  
}
```

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(96, 225, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 225, 225) }
```

Border

The CSS property to change the border of an element to XYZ 45.3397, 61.7735, 80.7680 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(96, 225, 225) }
```


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

```
.border{ border-color:rgb(96, 225, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 225, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 225, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 225, 225);  
box-shadow:4px 4px 4px 4px rgb(96, 225,  
225) }
```

Background

The CSS property to change the background color of an element to XYZ 45.3397, 61.7735, 80.7680 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 225, 225) }
```

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

```
.background{ background-color: rgb(96, 225,  
225) }
```

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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