

Converting Colors

XYZ(45.2892, 61.5861, 77.1494)

Have a look what the booklet for
XYZ(45.2892, 61.5861, 77.1494)
contains.

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Color

**XYZ(45.1674, 61.3622,
77.1737)**

Conversions

Conversions Part 1

Format	Color
Hex	67E0DC
RGB	103, 224, 220
RGB Percent	40%, 88%, 86%
CMY	0.5961, 0.1216, 0.1372
CMYK	0.54, 0.00, 0.02, 0.12
HSL	178°, 66%, 64%
HSV	178°, 54%, 88%
XYZ	45.1674, 61.3622, 77.1737
YIQ	187.3650, -70.8320, -26.8960

Conversions

Conversions Part 2

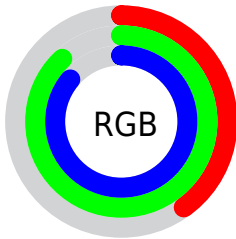
Format	Color
RYB	103, 165, 224
Decimal	6807772
CIELab	82.57, -34.70, -8.37
CIELCh	83, 35.698, 193.554
Yxy	61.3622, 0.2459, 0.3340
Android (android.graphics.Color)	4284997852 (0xFF67E0DC)
YUV	187.3650, 16.0891, -73.9881
Hunter-Lab	78.3340, -34.1615, -3.5779

Details

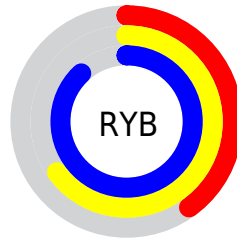
The XYZ color **45.1674, 61.3622, 77.1737** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **38.2466, 26.6110, 17.0325**, and the grayscale version is **47.3824, 49.8500, 54.2866**.

A 20% lighter version of the original color is **68.9143, 86.5265, 107.6769**, and **21.3009, 30.9831, 40.4550** is the 20% darker color. If you saturate the color by 10%, you get **42.8367, 60.1734, 76.5548**, and if you desaturate by 10%, it is **48.1903, 62.9106, 77.8300**.

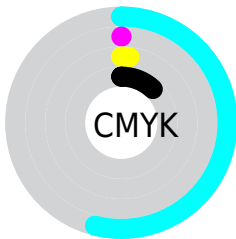
Distribution



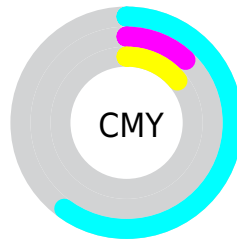
- Red (40%)
- Green (88%)
- Blue (86%)



- Red (40%)
- Yellow (65%)
- Blue (88%)



- Cyan (54%)
- Magenta (0%)
- Yellow (2%)
- Black (12%)





- Cyan (60%)
- Magenta (12%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.1674, 61.3622, 77.1737 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 45.1674, 61.3622, 77.1737 by changing the saturation by 10% instead.


 45.1674, 61.3622,
77.1737


 45.1674, 61.3622,
77.1737


358.2234,
429.6008, 504.8094


 31.7911, 44.5175,
56.8830


 82.2071, 106.8032,
131.1599

 21.3568, 31.0776,
40.5026


 106.6012,
136.1683, 165.6925

 13.4990, 20.6579,
27.6139


 135.3987,
170.4757, 205.8095

 7.8524, 12.8742,
17.7983

168.9648,
210.1098, 251.9295

 4.0517, 7.3420,
10.6373

207.6650,
255.4550, 304.4709

 1.7314, 3.6769,
5.7124

251.8646,

 0.4758, 1.4945,

306.8956, 363.8523

2.6051

301.9289,
364.8161, 430.4923

■ 0.0000, 0.2849,
0.8951

■ 0.0000, 0.0000,
0.0000

■ 45.1674, 61.3622,
77.1737

■ 45.1674, 61.3622,
77.1737

■ 42.8367, 60.1734,
76.5548

■ 48.1903, 62.9106,
77.8300

■ 41.1365, 59.3082,
75.9664


■ 51.9499, 64.8374,
78.5216


■ 40.0033, 58.7353,
75.4067


■ 56.4937, 67.1683,
79.2522

■ 39.3580, 58.4137,
74.8721

■ 61.8634, 69.9249,
80.0238

 39.1284, 58.3020,
74.5607

 68.0977, 73.1273,
80.8381

 75.2331, 76.7941,
81.6969

 81.5129, 80.0198,
82.5179

 81.6144, 80.0604,
83.0520

 81.7162, 80.1012,
83.5885

Harmonies

Analogous

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



45.3295, 61.3622, 55.5886



45.1674, 61.3622, 77.1737



48.3047, 61.3622, 100.2233

Triad

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



45.1674, 61.3622, 77.1737



69.0498, 61.3622, 102.2047



62.5845, 61.3622, 34.0225

Complementary

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



45.1674, 61.3622, 77.1737



38.2466, 26.6110, 17.0325

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.



69.6385, 61.3622, 41.7997



45.1674, 61.3622, 77.1737



73.5886, 61.3622, 79.4549

Square

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



45.1674, 61.3622, 77.1737



61.8365, 61.3622, 116.6675



73.8130, 61.3622, 57.4238



54.9451, 61.3622, 33.6731

Rectangle

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



45.1674, 61.3622, 77.1737



52.0180, 61.3622, 112.0419



73.8130, 61.3622, 57.4238



65.1178, 61.3622, 35.7624

Sweetspot

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



45.1692, 61.3646, 77.1751



81.3834, 92.9796, 107.1303



35.1731, 57.4209, 22.0628



17.0904, 19.7325, 22.8839



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.



45.1692, 61.3646, 77.1751



57.0836, 80.5281, 102.5813



32.9665, 36.1007, 75.7543



14.0960, 15.5641, 17.5406



22.7836, 33.9383, 43.4448



1.5855, 2.3549, 3.0442

Inverse Universe

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



38.2466, 26.6110, 17.0325



46.8866, 29.2678, 13.9408



45.6693, 41.7859, 18.4917



13.7255, 13.7078, 14.3248



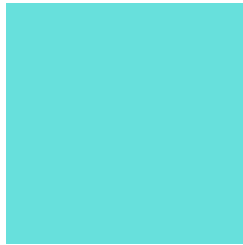
17.9251, 9.2370, 1.0053



1.2490, 0.6429, 0.1043

Previews

White Background



This preview shows how the XYZ color 45.1674, 61.3622, 77.1737 looks on a white background.

Color Contrast Check

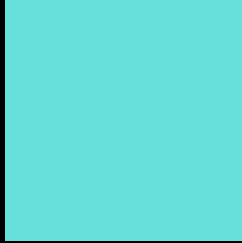
Large Text (above 18pt) WCAG AA × Fail

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 45.1674, 61.3622, 77.1737 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

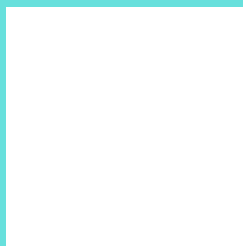
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 45.1674, 61.3622, 77.1737

Background



This preview shows how black text looks on a background with the XYZ color 45.1674, 61.3622, 77.1737.

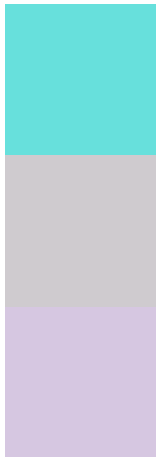


This preview shows how white text looks on a background with the XYZ color 45.1674, 61.3622,

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

45.1674, 61.3622, 77.1737

Protanopia

58.3505, 60.4823, 67.6303

Deuteranopia

61.7456, 60.5792, 79.6728



Tritanopia

47.8668, 61.2599, 90.9628

Trichromacy



Original Color

45.1674, 61.3622, 77.1737



Protanomaly

51.5401, 59.7770, 71.1090



Deuteranomaly

53.3307, 59.4381, 78.4739



Tritanomaly

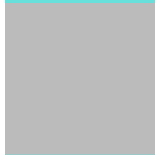
46.7502, 61.1945, 85.6917

Monochromacy



Original Color

45.1674, 61.3622, 77.1737



Achromatopsia

47.2335, 49.6933, 54.1160



Achromatomaly

44.6734, 52.5000, 61.8118

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.1674, 61.3622, 77.1737 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(103, 224, 220)` looks like.

```
.text, #text, p{  
    color:rgb(103, 224, 220)  
}
```

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(103, 224, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 224, 220) }
```

Border

The CSS property to change the border of an element to XYZ 45.1674, 61.3622, 77.1737 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(103, 224, 220) }
```


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

```
.border{ border-color:rgb(103, 224, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 224, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 224, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 224, 220);  
box-shadow:4px 4px 4px 4px rgb(103, 224,  
220) }
```

Background

The CSS property to change the background color of an element to XYZ 45.1674, 61.3622, 77.1737 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 224, 220) }
```

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

```
.background{ background-color: rgb(103,  
224, 220) }
```

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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