

Converting Colors

XYZ(45.1608, 61.2842, 58.6502)

Have a look what the booklet for
XYZ(45.1608, 61.2842, 58.6502)
contains.

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Color

**XYZ(45.3074, 61.4425,
58.7618)**

Conversions

Conversions Part 1

Format	Color
Hex	84DFBF
RGB	132, 223, 191
RGB Percent	52%, 87%, 75%
CMY	0.4823, 0.1255, 0.2510
CMYK	0.41, 0.00, 0.14, 0.13
HSL	159°, 59%, 70%
HSV	159°, 41%, 87%
XYZ	45.3074, 61.4425, 58.7618
YIQ	192.1430, -43.9640, -29.2440

Conversions

Conversions Part 2

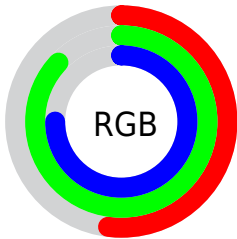
Format	Color
RYB	132, 187, 223
Decimal	8708031
CIELab	82.62, -34.49, 7.19
CIElCh	83, 35.229, 168.215
Yxy	61.4425, 0.2737, 0.3712
Android (android.graphics.Color)	4286898111 (0xFF84DFBF)
YUV	192.1430, -0.5635, -52.7454
Hunter-Lab	78.3853, -33.9996, 10.4227

Details

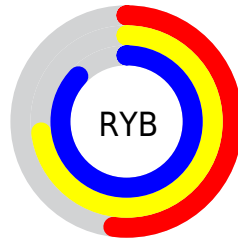
The XYZ color **45.3074, 61.4425, 58.7618** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **45.3857, 34.8725, 39.4635**, and the grayscale version is **50.2095, 52.8243, 57.5256**.

A 20% lighter version of the original color is **73.2875, 88.9268, 101.2976**, and **21.3867, 31.0089, 28.9029** is the 20% darker color. If you saturate the color by 10%, you get **41.3461, 59.4990, 54.1920**, and if you desaturate by 10%, it is **50.0637, 63.7937, 63.6127**.

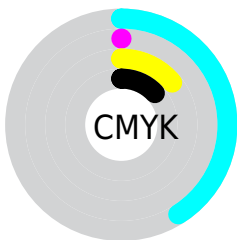
Distribution



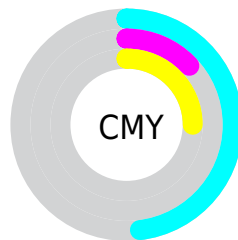
- Red (52%)
- Green (87%)
- Blue (75%)



- Red (52%)
- Yellow (73%)
- Blue (87%)



- Cyan (41%)
- Magenta (0%)
- Yellow (14%)
- Black (13%)





- Cyan (48%)
- Magenta (13%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.3074, 61.4425, 58.7618 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 45.3074, 61.4425, 58.7618 by changing the saturation by 10% instead.

 45.3074, 61.4425,
58.7618


 45.3074, 61.4425,
58.7618


358.7799,
429.8946, 437.6959


 31.9019, 44.5824,
42.0026


 82.4157, 106.9194,
104.5571

 21.4418, 31.1286,
28.7778


 106.8493,
136.3049, 134.4303

 13.5616, 20.6968,
18.6686

 135.6896,
170.6344, 169.5120

 7.8961, 12.9026,
11.2567

169.3021,
210.2922, 210.2207

 4.0798, 7.3615,
6.1234

208.0519,
255.6627, 256.9748

 1.7474, 3.6892,
2.8503

252.3046,

 0.4856, 1.5013,

307.1304, 310.1931

1.0187

302.4255,
365.0795, 370.2939

■ 0.0000, 0.2896,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 45.3074, 61.4425,
58.7618

■ 45.3074, 61.4425,
58.7618

■ 41.3461, 59.4990,
54.1920

■ 50.0637, 63.7937,
63.6127

■ 38.1259, 57.9308,
49.8931


■ 55.6543, 66.5679,
68.7463


■ 35.5945, 56.7124,
45.8602


■ 62.1218, 69.7887,
74.1694


■ 33.6897, 55.8121,
42.0864

■ 69.5045, 73.4757,
79.8874

 32.3378, 55.1917,
38.5642


 77.8384, 77.6474,
85.9053

 31.4673, 54.8090,
35.5393

 83.0696, 80.2139,
92.0367

 84.2477, 80.6851,
98.2406

 85.4767, 81.1767,
104.7121

 85.6788, 81.2576,
105.7763

Harmonies

Analogous

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



48.2277, 61.4425, 42.8411



45.3074, 61.4425, 58.7618



45.6643, 61.4425, 80.7590

Triad

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



45.3074, 61.4425, 58.7618



63.0566, 61.4425, 114.6846



68.6185, 61.4425, 40.4370

Complementary

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



45.3074, 61.4425, 58.7618



45.3857, 34.8725, 39.4635

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.



73.3058, 61.4425, 54.7256



45.3074, 61.4425, 58.7618



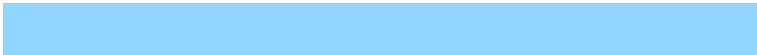
69.9089, 61.4425, 98.6108

Square

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



45.3074, 61.4425, 58.7618



55.4837, 61.4425, 116.4225



73.7975, 61.4425, 75.7579



61.4152, 61.4425, 33.8914

Rectangle

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



45.3074, 61.4425, 58.7618



47.7178, 61.4425, 96.0630



73.7975, 61.4425, 75.7579



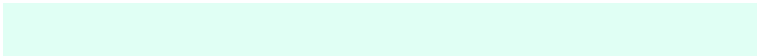
70.5664, 61.4425, 44.3323

Sweetspot

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



45.3091, 61.4450, 58.7632



82.9900, 93.9775, 99.5437



46.1480, 62.4826, 31.4589



17.5059, 19.9868, 21.0960



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.



45.3091, 61.4450, 58.7632



56.7388, 80.9759, 74.3061



46.0982, 56.7580, 78.3407



13.9012, 15.4862, 16.5149



18.5570, 32.2476, 21.1879



1.3282, 2.2520, 1.6896

Inverse Universe

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



45.3857, 34.8725, 39.4635



56.8684, 40.2942, 44.8202



44.5917, 37.3425, 26.6884



13.9053, 13.7798, 15.2715



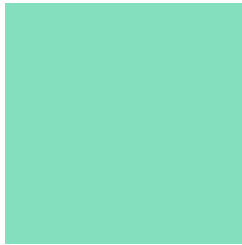
18.7593, 9.5707, 5.3983



1.3417, 0.6800, 0.5924

Previews

White Background



This preview shows how the XYZ color 45.3074, 61.4425, 58.7618 looks on a white background.

Color Contrast Check

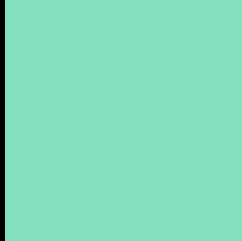
Large Text (above 18pt) WCAG AA × Fail

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 45.3074, 61.4425, 58.7618 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

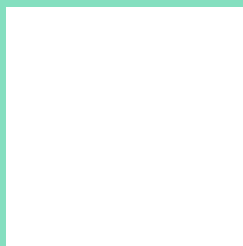
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 45.3074, 61.4425, 58.7618

Background



This preview shows how black text looks on a background with the XYZ color 45.3074, 61.4425, 58.7618.



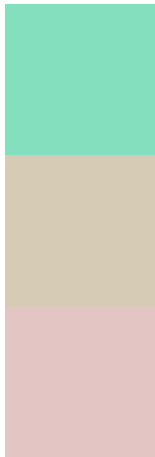
This preview shows how white text looks on a background with the XYZ color 45.3074, 61.4425,

58.7618.

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

45.3074, 61.4425, 58.7618

Protanopia

57.6649, 60.8181, 52.4159

Deuteranopia

61.8364, 60.7046, 60.6826



Tritanopia

50.9918, 61.4059, 87.0069

Trichromacy



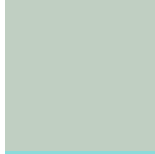
Original Color

45.3074, 61.4425, 58.7618



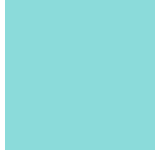
Protanomaly

51.8184, 60.2817, 54.8033



Deuteranomaly

53.7887, 59.7272, 59.7325



Tritanomaly

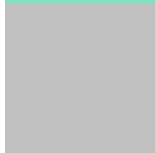
48.6339, 61.2140, 75.5819

Monochromacy



Original Color

45.3074, 61.4425, 58.7618



Achromatopsia

50.1023, 52.7115, 57.4028



Achromatomaly

47.4479, 55.0637, 57.9968

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.3074, 61.4425, 58.7618 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(132, 223, 191)` looks like.

```
.text, #text, p{  
    color:rgb(132, 223, 191)  
}
```

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(132, 223, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 223, 191) }
```

Border

The CSS property to change the border of an element to XYZ 45.3074, 61.4425, 58.7618 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(132, 223, 191) }
```


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

```
.border{ border-color:rgb(132, 223, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 223, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(132, 223, 191); -webkit-box-shadow:4px 4px 4px 4px rgb(132, 223, 191); box-shadow:4px 4px 4px 4px rgb(132, 223, 191) }
```

Background

The CSS property to change the background color of an element to XYZ 45.3074, 61.4425, 58.7618 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 223, 191) }
```

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

```
.background{ background-color: rgb(132,  
223, 191) }
```

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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