

Converting Colors

XYZ(45.7974, 60.2651, 57.3224)

Have a look what the booklet for
XYZ(45.7974, 60.2651, 57.3224)
contains.

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Color

**XYZ(45.6722, 60.0879,
57.3351)**

Conversions

Conversions Part 1

Format	Color
Hex	8EDBBD
RGB	142, 219, 189
RGB Percent	56%, 86%, 74%
CMY	0.4431, 0.1412, 0.2588
CMYK	0.35, 0.00, 0.14, 0.14
HSL	157°, 52%, 71%
HSV	157°, 35%, 86%
XYZ	45.6722, 60.0879, 57.3351
YIQ	192.5570, -36.2620, -25.6540

Conversions

Conversions Part 2

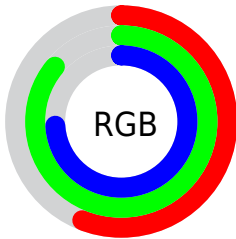
Format	Color
RYB	142, 190, 219
Decimal	9362365
CIELab	81.89, -30.29, 7.26
CIElCh	82, 31.152, 166.514
Yxy	60.0879, 0.2800, 0.3684
Android (android.graphics.Color)	4287552445 (0xFF8EDBBD)
YUV	192.5570, -1.7536, -44.3385
Hunter-Lab	77.5164, -30.4825, 10.4075

Details

The XYZ color **45.6722, 60.0879, 57.3351** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **46.3349, 37.3863, 43.8064**, and the grayscale version is **50.4552, 53.0828, 57.8071**.

A 20% lighter version of the original color is **75.5301, 90.1183, 99.7999**, and **21.7439, 30.4032, 28.0149** is the 20% darker color. If you saturate the color by 10%, you get **41.3786, 57.9799, 52.4411**, and if you desaturate by 10%, it is **50.7619, 62.6031, 62.5534**.

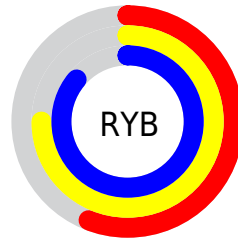
Distribution



Red (56%)

Green (86%)

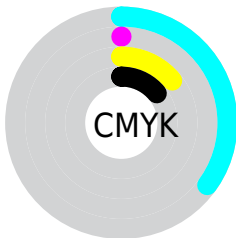
Blue (74%)



Red (56%)

Yellow (75%)

Blue (86%)

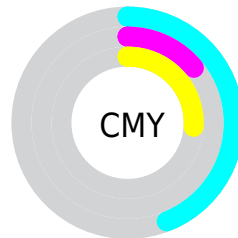


Cyan (35%)

Magenta (0%)

Yellow (14%)

Black (14%)



Cyan (44%)


Magenta (14%)


Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.6722, 60.0879, 57.3351 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 45.6722, 60.0879, 57.3351 by changing the saturation by 10% instead.

 45.6722, 60.0879,
57.3351


 45.6722, 60.0879,
57.3351


360.2273,
424.9217, 432.2326

 32.1908, 43.4895,
40.8632


 82.9591, 104.9572,
102.4592

 21.6635, 30.2694,
27.8933


 107.4952,
133.9968, 131.9484

 13.7251, 20.0431,
18.0069


136.4470,
167.9523, 166.6138

 8.0101, 12.4264,
10.7855

170.1797,
207.2081, 206.8740

 4.1533, 7.0348,
5.8104

209.0587,
252.1485, 253.1474

 1.7892, 3.4839,
2.6632

253.4494,

 0.5112, 1.3893,

303.1580, 305.8526

0.9248

303.7172,
360.6209, 365.4082

■ 0.0000, 0.2088,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 45.6722, 60.0879,
57.3351

■ 45.6722, 60.0879,
57.3351

■ 41.3786, 57.9799,
52.4411

■ 50.7619, 62.6031,
62.5534

■ 37.8316, 56.2491,
47.8605

■ 56.6834, 65.5392,
68.0986

■ 34.9841, 54.8728,
43.5873

■ 63.4764, 68.9180,
73.9785

■ 32.7809, 53.8227,
39.6139

■ 71.1762, 72.7577,
80.1992

■ 31.1584, 53.0661,
35.9320

■ 79.8166, 77.0755,
86.7667

■ 30.0385, 52.5629,
32.5325

■ 82.3305, 78.2283,
93.3546

■ 29.6128, 52.3772,
30.9839

■ 83.6299, 78.7481,
100.1969

■ 84.6226, 79.1451,
105.4242

Harmonies

Analogous

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



48.4162, 60.0879, 43.5261



45.6722, 60.0879, 57.3351



45.8215, 60.0879, 76.2739

Triad

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



45.6722, 60.0879, 57.3351



60.7837, 60.0879, 106.6707



66.2673, 60.0879, 42.5023

Complementary

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



45.6722, 60.0879, 57.3351



46.3349, 37.3863, 43.8064

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.



70.1192, 60.0879, 55.6579



45.6722, 60.0879, 57.3351



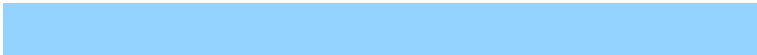
66.7907, 60.0879, 93.6592

Square

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



45.6722, 60.0879, 57.3351



54.2121, 60.0879, 107.3587



70.3178, 60.0879, 74.2433



60.1129, 60.0879, 36.1400

Rectangle

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



45.6722, 60.0879, 57.3351



47.5359, 60.0879, 89.4376



70.3178, 60.0879, 74.2433



67.8943, 60.0879, 46.1489

Sweetspot

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



45.6739, 60.0904, 57.3365



83.7627, 94.3787, 99.4465



47.4054, 61.4800, 34.9606



17.6540, 20.0644, 21.0450



0.0000, 0.0000, 0.0000



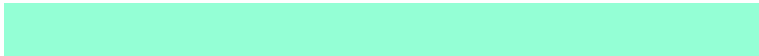
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



45.6739, 60.0904, 57.3365



59.9993, 82.6244, 75.9167



47.3123, 57.6054, 75.6459



13.2187, 14.7391, 15.6148



17.6135, 31.0780, 18.6618



1.1829, 2.0301, 1.4291

Inverse Universe

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



46.3349, 37.3863, 43.8064



61.0681, 46.1100, 54.1847



44.9563, 38.7318, 30.6988



13.2650, 13.1351, 14.6569



18.3522, 9.3419, 6.2350



1.2304, 0.6218, 0.6225

Previews

White Background



This preview shows how the XYZ color 45.6722, 60.0879, 57.3351 looks on a white background.

Color Contrast Check

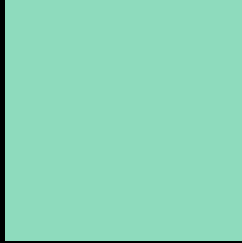
Large Text (above 18pt) WCAG AA × Fail

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 45.6722, 60.0879, 57.3351 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

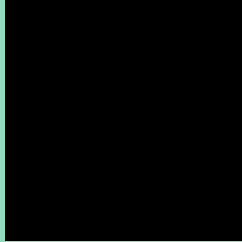
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 45.6722, 60.0879, 57.3351

Background



This preview shows how black text looks on a background with the XYZ color 45.6722, 60.0879, 57.3351.

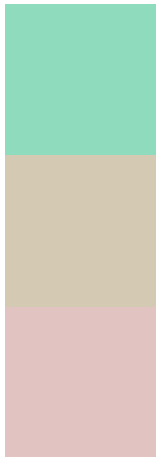


This preview shows how white text looks on a background with the XYZ color 45.6722, 60.0879,

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
45.6722, 60.0879, 57.3351
Protanopia
56.5101, 59.5334, 51.6927
Deuteranopia
60.5289, 59.3824, 59.3107



Tritanopia

50.8397, 59.8810, 83.7416

Trichromacy



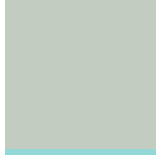
Original Color

45.6722, 60.0879, 57.3351



Protanomaly

51.5966, 59.0954, 53.4869



Deuteranomaly

53.6130, 58.5936, 58.3532



Tritanomaly

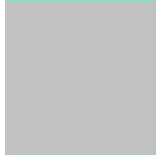
48.7789, 59.8031, 73.2622

Monochromacy



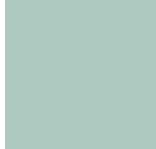
Original Color

45.6722, 60.0879, 57.3351



Achromatopsia

50.6879, 53.3276, 58.0738



Achromatomaly

48.0905, 55.0455, 57.9594

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.6722, 60.0879, 57.3351 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(142, 219, 189)` looks like.

```
.text, #text, p{  
    color:rgb(142, 219, 189)  
}
```

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(142, 219, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 219, 189) }
```

Border

The CSS property to change the border of an element to XYZ 45.6722, 60.0879, 57.3351 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(142, 219, 189) }
```


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

```
.border{ border-color:rgb(142, 219, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 219, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 219, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 219, 189);  
box-shadow:4px 4px 4px 4px rgb(142, 219,  
189) }
```

Background

The CSS property to change the background color of an element to XYZ 45.6722, 60.0879, 57.3351 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 219, 189) }
```

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

```
.background{ background-color: rgb(142,  
219, 189) }
```

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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