

Converting Colors

XYZ(45.8621, 52.6740, 66.1424)

Have a look what the booklet for
XYZ(45.8621, 52.6740, 66.1424)
contains.

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Color

**XYZ(45.8621, 52.6740,
66.1424)**

Conversions

Conversions Part 1

Format	Color
Hex	9FC7CE
RGB	159, 199, 206
RGB Percent	62%, 78%, 81%
CMY	0.3765, 0.2196, 0.1922
CMYK	0.23, 0.03, 0.00, 0.19
HSL	189°, 32%, 72%
HSV	189°, 23%, 81%
XYZ	45.8621, 52.6740, 66.1424
YIQ	187.8380, -26.0870, -6.3030

Conversions

Conversions Part 2

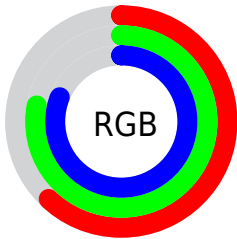
Format	Color
R _Y B	159, 181, 206
Decimal	10471374
CIE Lab	77.68, -11.63, -7.86
CIE LCh	78, 14.039, 214.056
Yxy	52.6740, 0.2785, 0.3199
Android (android.graphics.Color)	4288661454 (0xFF9FC7CE)
YUV	187.8380, 8.9539, -25.2909
Hunter-Lab	72.5769, -14.2134, -3.2297

Details

The XYZ color **45.8621, 52.6740, 66.1424** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **45.3484, 42.8977, 38.6920**, and the grayscale version is **47.6707, 50.1533, 54.6169**.

A 20% lighter version of the original color is **81.5416, 93.0361, 108.2678**, and **21.7368, 25.5820, 33.4979** is the 20% darker color. If you saturate the color by 10%, you get **41.4144, 49.3453, 65.7352**, and if you desaturate by 10%, it is **51.0079, 56.3863, 66.5886**.

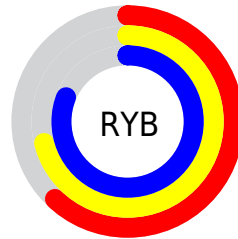
Distribution



Red (62%)

Green (78%)

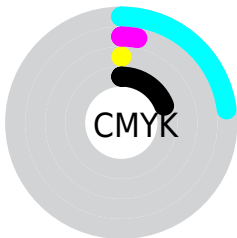
Blue (81%)



Red (62%)

Yellow (71%)

Blue (81%)

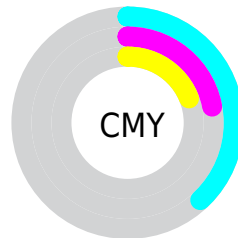


Cyan (23%)

Magenta (3%)

Yellow (0%)

Black (19%)



Cyan (38%)

Magenta (22%)

Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.8621, 52.6740, 66.1424 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 45.8621, 52.6740, 66.1424 by changing the saturation by 10% instead.

■ 45.8621, 52.6740,
66.1424

■ 45.8621, 52.6740,
66.1424

360.9792,
397.0331, 465.3041

■ 32.3412, 37.5426,
47.9308

■ 83.2417, 94.1245,
115.3196

■ 21.7790, 25.6279,
33.4125

■ 107.8311,
121.2124, 147.1224

■ 13.8103, 16.5455,
22.1689

136.8407,
153.0545, 184.2925

■ 8.0697, 9.9109,
13.7816

170.6359,
190.0353, 227.2487

■ 4.1917, 5.3400,
7.8319

209.5819,
232.5392, 276.4094

■ 1.8112, 2.4481,
3.9013

254.0443,

■ 0.5244, 0.8505,

280.9505, 332.1932

1.5714

304.3883,
335.6537, 395.0186

■ 0.0000, 0.0000,
0.2703

■ 0.0000, 0.0000,
0.0000

■ 45.8621, 52.6740,
66.1424

■ 45.8621, 52.6740,
66.1424

■ 41.4144, 49.3453,
65.7352

■ 51.0079, 56.3863,
66.5886

■ 37.6263, 46.3764,
65.3618

■ 56.8787, 60.4923,
67.0717

■ 34.4628, 43.7503,
65.0216

■ 63.5055, 65.0093,
67.5943

■ 31.8836, 41.4462,
64.7128

■ 70.9161, 69.9519,
68.1577

■ 29.8435, 39.4406,
64.4332

■ 76.5132, 73.9813,
68.6405

■ 28.2906, 37.7067,
64.1804

■ 77.2984, 75.5517,
68.9022

■ 27.1625, 36.2121,
63.9514

■ 78.0983, 77.1515,
69.1688

■ 26.5352, 35.2452,
63.7978

■ 78.9130, 78.7808,
69.4404

■ 79.7425, 80.4399,
69.7169

Harmonies

Analogous

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



45.0347, 52.6740, 58.4174



45.8621, 52.6740, 66.1424



47.8150, 52.6740, 71.8798

Triad

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



45.8621, 52.6740, 66.1424



54.9091, 52.6740, 64.1479



49.6966, 52.6740, 43.6911

Complementary

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



45.8621, 52.6740, 66.1424



45.3484, 42.8977, 38.6920

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.



52.3846, 52.6740, 44.9285



45.8621, 52.6740, 66.1424



55.4567, 52.6740, 56.3017

Square

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



45.8621, 52.6740, 66.1424



53.0467, 52.6740, 70.6572



54.5173, 52.6740, 49.3790



47.1973, 52.6740, 45.8334

Rectangle

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



45.8621, 52.6740, 66.1424



49.5262, 52.6740, 73.5511



54.5173, 52.6740, 49.3790



50.6078, 52.6740, 43.7269

Sweetspot

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



45.8637, 52.6761, 66.1436



87.9432, 95.0864, 108.3262



43.1863, 54.2409, 43.9192



18.6984, 20.2650, 23.1760



0.0000, 0.0000, 0.0000



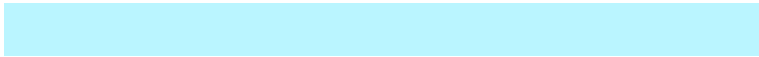
20.3446, 21.4041, 23.3091

Same Dimension

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



45.8637, 52.6761, 66.1436



70.9128, 82.8311, 106.8582



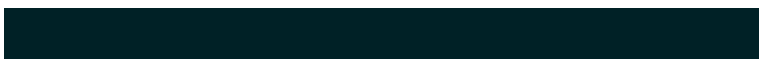
41.0109, 42.9706, 64.5260



11.3954, 12.4313, 14.3692



16.3956, 21.8151, 39.3029



0.8855, 1.2047, 2.0408

Inverse Universe

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



48.1618, 42.0429, 59.6119



75.2737, 63.0183, 94.3821



49.8600, 51.9209, 40.1959



11.6130, 11.3739, 13.7624



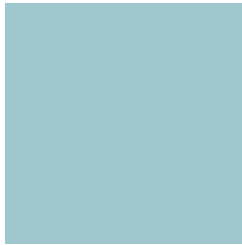
20.4866, 10.0052, 26.0790



1.0769, 0.5242, 1.4508

Previews

White Background



This preview shows how the XYZ color 45.8621, 52.6740, 66.1424 looks on a white background.

Color Contrast Check

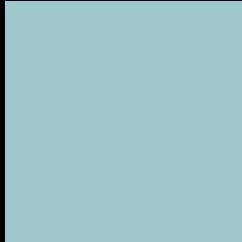
Large Text (above 18pt) WCAG AA × Fail

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 45.8621, 52.6740, 66.1424 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

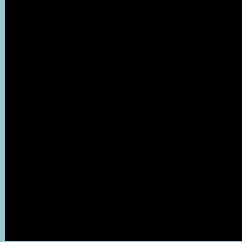
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 45.8621, 52.6740, 66.1424

Background



This preview shows how black text looks on a background with the XYZ color 45.8621, 52.6740, 66.1424.



This preview shows how white text looks on a background with the XYZ color 45.8621, 52.6740,

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

45.8621, 52.6740, 66.1424

Protanopia

50.6943, 52.2504, 62.6718

Deuteranopia

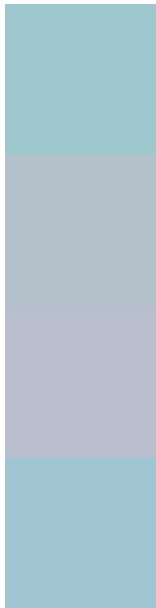
53.4247, 52.2778, 67.5964



Tritanopia

47.0296, 52.8203, 71.3349

Trichromacy



Original Color

45.8621, 52.6740, 66.1424

Protanomaly

48.6718, 52.1550, 64.0016

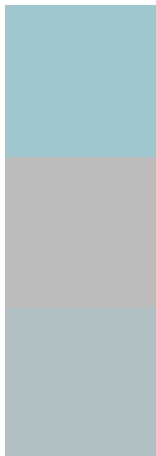
Deuteranomaly

50.2657, 52.2548, 67.1114

Tritanomaly

46.4492, 52.5649, 69.3259

Monochromacy



Original Color

45.8621, 52.6740, 66.1424

Achromatopsia

47.7994, 50.2886, 54.7643

Achromatomaly

46.8314, 50.9865, 59.0029

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.8621, 52.6740, 66.1424 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(159, 199, 206)` looks like.

```
.text, #text, p{  
    color:rgb(159, 199, 206)  
}
```

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(159, 199, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 199, 206) }
```

Border

The CSS property to change the border of an element to XYZ 45.8621, 52.6740, 66.1424 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(159, 199, 206) }
```


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

```
.border{ border-color:rgb(159, 199, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 199, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 199, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 199, 206);  
box-shadow:4px 4px 4px 4px rgb(159, 199,  
206) }
```

Background

The CSS property to change the background color of an element to XYZ 45.8621, 52.6740, 66.1424 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 199, 206) }
```

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

```
.background{ background-color: rgb(159,  
199, 206) }
```

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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