

Converting Colors

XYZ(45.9891, 50.7579, 72.5995)

Have a look what the booklet for
XYZ(45.9891, 50.7579, 72.5995)
contains.

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Color

**XYZ(45.9845, 50.9124,
72.3692)**

Conversions

Conversions Part 1

Format	Color
Hex	9FC2D8
RGB	159, 194, 216
RGB Percent	62%, 76%, 85%
CMY	0.3765, 0.2392, 0.1529
CMYK	0.26, 0.10, 0.00, 0.15
HSL	203°, 42%, 74%
HSV	203°, 26%, 85%
XYZ	45.9845, 50.9124, 72.3692
YIQ	186.0430, -27.9220, -0.5780

Conversions

Conversions Part 2

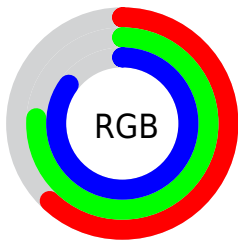
Format	Color
R _Y B	159, 181, 216
Decimal	10470104
CIE Lab	76.63, -6.73, -14.84
CIE LCh	77, 16.295, 245.604
Yxy	50.9124, 0.2717, 0.3008
Android (android.graphics.Color)	4288660184 (0xFF9FC2D8)
YUV	186.0430, 14.7688, -23.7167
Hunter-Lab	71.3529, -9.8305, -10.1874

Details

The XYZ color **45.9845, 50.9124, 72.3692** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **51.1013, 50.1500, 39.7886**, and the grayscale version is **46.6285, 49.0568, 53.4229**.

A 20% lighter version of the original color is **80.2599, 90.0383, 107.7567**, and **21.7550, 24.3935, 37.2800** is the 20% darker color. If you saturate the color by 10%, you get **40.2665, 45.2884, 71.5859**, and if you desaturate by 10%, it is **52.5582, 57.1345, 73.2246**.

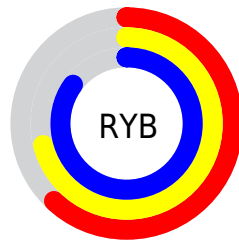
Distribution



Red (62%)

Green (76%)

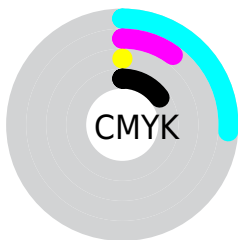
Blue (85%)



Red (62%)

Yellow (71%)

Blue (85%)

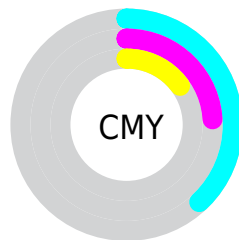


Cyan (26%)

Magenta (10%)

Yellow (0%)

Black (15%)



Cyan (38%)

Magenta (24%)

Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.9845, 50.9124, 72.3692 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 45.9845, 50.9124, 72.3692 by changing the saturation by 10% instead.

■ 45.9845, 50.9124,
72.3692

■ 45.9845, 50.9124,
72.3692

361.4633,
390.2233, 487.8377

■ 32.4382, 36.1389,
52.9716

■ 83.4238, 91.5253,
124.2939

■ 21.8536, 24.5415,
37.3926

■ 108.0475,
118.1334, 157.6581

■ 13.8653, 15.7358,
25.2134

137.0943,
149.4553, 196.5150

■ 8.1081, 9.3374,
16.0157

170.9297,
185.8752, 241.2830

■ 4.2166, 4.9619,
9.3808

209.9189,
227.7775, 292.3807

■ 1.8254, 2.2249,
4.8902

254.4273,

■ 0.5329, 0.7335,

275.5468, 350.2267

2.1254

304.8204,
329.5672, 415.2395

■ 0.0000, 0.0000,
0.6308

■ 0.0000, 0.0000,
0.0000

■ 45.9845, 50.9124,
72.3692

■ 45.9845, 50.9124,
72.3692

■ 40.2665, 45.2884,
71.5859

■ 52.5582, 57.1345,
73.2246

■ 35.3588, 40.2330,
70.8687

■ 60.0207, 63.9705,
74.1507

■ 31.2189, 35.7227,
70.2164

■ 68.4089, 71.4431,
75.1510

■ 27.7979, 31.7299,
69.6260

■ 77.7561, 79.5717,
76.2273

■ 25.0410, 28.2235,
69.0945

■ 83.5394, 86.0271,
77.1685

■ 22.8844, 25.1678,
68.6184

■ 85.9916, 90.9314,
77.9859

■ 21.2477, 22.5187,
68.1933

■ 88.5572, 96.0627,
78.8411

■ 20.7333, 21.6348,
68.0498

■ 89.3948, 97.7379,
79.1203

Harmonies

Analogous

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



43.7314, 50.9124, 65.9124



45.9845, 50.9124, 72.3692



48.9717, 50.9124, 74.0956

Triad

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



45.9845, 50.9124, 72.3692



54.5302, 50.9124, 53.7942



45.0226, 50.9124, 42.7513

Complementary

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



45.9845, 50.9124, 72.3692



51.1013, 50.1500, 39.7886

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.



47.8144, 50.9124, 40.2041



45.9845, 50.9124, 72.3692



53.3697, 50.9124, 46.1312

Square

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



45.9845, 50.9124, 72.3692



53.9898, 50.9124, 62.7432



50.8794, 50.9124, 41.3728



43.1928, 50.9124, 48.7175

Rectangle

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



45.9845, 50.9124, 72.3692



50.9967, 50.9124, 72.1886



50.8794, 50.9124, 41.3728



45.8751, 50.9124, 41.4974

Sweetspot

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



45.9861, 50.9144, 72.3704



85.4787, 91.4135, 107.7471



47.1800, 59.8137, 52.6950



17.9317, 19.2351, 23.0176



0.0000, 0.0000, 0.0000



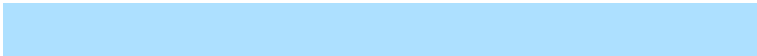
20.3446, 21.4041, 23.3091

Same Dimension

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



45.9861, 50.9144, 72.3704



61.8959, 69.1974, 104.7019



40.2665, 39.4753, 70.4638



12.3711, 13.2655, 15.8460



12.3793, 13.0203, 40.3139



0.8258, 0.9436, 2.4579

Inverse Universe

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



50.4559, 43.2914, 56.7380



69.6484, 56.6560, 77.4369



57.4643, 62.8760, 41.9096



12.7405, 12.5477, 14.5737



19.3073, 9.6593, 14.1884



1.2045, 0.5986, 1.0661

Previews

White Background



This preview shows how the XYZ color 45.9845, 50.9124, 72.3692 looks on a white background.

Color Contrast Check

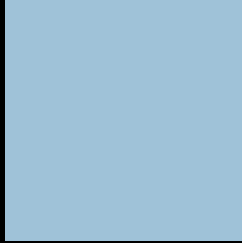
Large Text (above 18pt) WCAG AA × Fail

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 45.9845, 50.9124, 72.3692 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

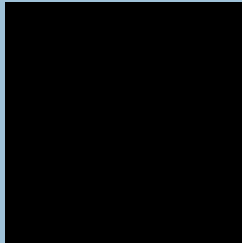
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

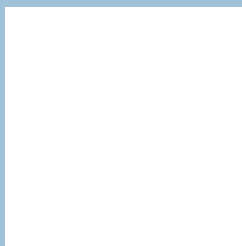
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 45.9845, 50.9124, 72.3692

Background



This preview shows how black text looks on a background with the XYZ color 45.9845, 50.9124, 72.3692.



This preview shows how white text looks on a background with the XYZ color 45.9845, 50.9124,

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

45.9845, 50.9124, 72.3692

Protanopia

49.6616, 50.6084, 69.4383

Deuteranopia

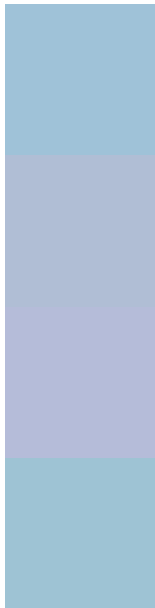
51.7877, 50.6804, 73.3825



Tritanopia

45.2485, 50.9525, 68.4227

Trichromacy



Original Color

45.9845, 50.9124, 72.3692

Protanomaly

48.3282, 50.8611, 70.2208

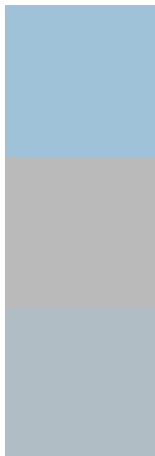
Deuteranomaly

49.5637, 50.8000, 72.8387

Tritanomaly

45.4993, 51.0528, 69.7435

Monochromacy



Original Color

45.9845, 50.9124, 72.3692

Achromatopsia

46.6715, 49.1021, 53.4722

Achromatomaly

46.1801, 49.6565, 59.9740

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.9845, 50.9124, 72.3692 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, 194, 216)` looks like.

```
.text, #text, p{  
    color:rgb(159, 194, 216)  
}
```

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, 194, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 194, 216) }
```

Border

The CSS property to change the border of an element to XYZ 45.9845, 50.9124, 72.3692 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, 194, 216) }
```


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

```
.border{ border-color:rgb(159, 194, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 194, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 194, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 194, 216);  
box-shadow:4px 4px 4px 4px rgb(159, 194,  
216) }
```

Background

The CSS property to change the background color of an element to XYZ 45.9845, 50.9124, 72.3692 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 194, 216) }
```

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

```
.background{ background-color: rgb(159,  
194, 216) }
```

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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