

Converting Colors

XYZ(16.3704, 20.6730, 8.3881)

Have a look what the booklet for
XYZ(16.3704, 20.6730, 8.3881)
contains.

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Color

**XYZ(16.4709, 20.8251,
8.4617)**

Conversions

Conversions Part 1

Format	Color
Hex	738543
RGB	115, 133, 67
RGB Percent	45%, 52%, 26%
CMY	0.5490, 0.4784, 0.7372
CMYK	0.14, 0.00, 0.50, 0.48
HSL	76°, 33%, 39%
HSV	76°, 50%, 52%
XYZ	16.4709, 20.8251, 8.4617
YIQ	120.0940, 10.4580, -24.3420

Conversions

Conversions Part 2

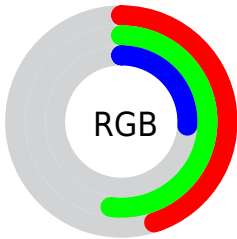
Format	Color
RYB	67, 133, 85
Decimal	7570755
CIELab	52.76, -17.61, 33.20
CIELCh	53, 37.580, 117.942
Yxy	20.8251, 0.3600, 0.4551
Android (android.graphics.Color)	4285760835 (0xFF738543)
YUV	120.0940, -26.1753, -4.4674
Hunter-Lab	45.6345, -15.4343, 20.9504

Details

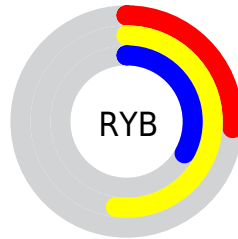
The XYZ color **16.4709, 20.8251, 8.4617** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **9.9878, 7.6395, 23.1396**, and the grayscale version is **17.9619, 18.8973, 20.5792**.

A 20% lighter version of the original color is **36.9182, 44.7270, 23.5170**, and **5.3995, 7.3608, 1.7980** is the 20% darker color. If you saturate the color by 10%, you get **15.6493, 20.4432, 6.5745**, and if you desaturate by 10%, it is **17.4039, 21.2552, 10.8334**.

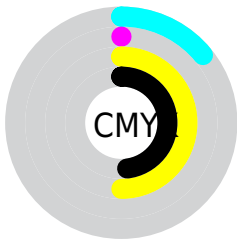
Distribution



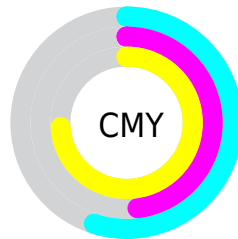
- Red (45%)
- Green (52%)
- Blue (26%)



- Red (26%)
- Yellow (52%)
- Blue (33%)



- Cyan (14%)
- Magenta (0%)
- Yellow (50%)
- Black (48%)



- Cyan (55%)
- Magenta (48%)
- Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.4709, 20.8251, 8.4617 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 16.4709, 20.8251, 8.4617 by changing the saturation by 10% instead.

■ 16.4709, 20.8251,
8.4617

■ 16.4709, 20.8251,
8.4617

225.3208,
256.3475, 189.3776

■ 9.9509, 12.9962,
4.2998

■ 36.9647, 44.7963,
23.4196

■ 5.4285, 7.4259,
1.7912

■ 51.6692, 61.7073,
35.0528

■ 2.5381, 3.7299,
0.4221

■ 69.8326, 82.4146,
50.0134

■ 0.9145, 1.5236,
0.0000

■ 91.8203, 107.3025,
68.7200

■ 0.0000, 0.3053,
0.0000

■ 117.9976,
136.7553, 91.5912

■ 0.0000, 0.0000,
0.0000

148.7299,

171.1575, 119.0455

184.3825,
210.8934, 151.5015

■ 16.4709, 20.8251,
8.4617

■ 16.4709, 20.8251,
8.4617

■ 15.6493, 20.4432,
6.5745

■ 17.4039, 21.2552,
10.8334

■ 14.9312, 20.1040,
5.1369

■ 18.4529, 21.7332,
13.7187

■ 14.3095, 19.8056,
4.1117

■ 19.6237, 22.2622,
17.1458

■ 13.7757, 19.5444,
3.4548

■ 20.9216, 22.8442,
21.1406

■ 13.3057, 19.3108,
3.0404

■ 22.3513, 23.4812,
25.7273

■ 13.2885, 19.3022,
3.0253

■ 23.9174, 24.1750,
30.9287

■ 25.6241, 24.9274,
36.7663

■ 27.4755, 25.7400,
43.2607

■ 29.4756, 26.6145,
50.4315

Harmonies

Analogous

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



20.0652, 20.8251, 7.2309



16.4709, 20.8251, 8.4617



14.0734, 20.8251, 13.0471

Triad

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



16.4709, 20.8251, 8.4617



16.0601, 20.8251, 46.3007



28.3122, 20.8251, 23.4582

Complementary

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



16.4709, 20.8251, 8.4617



9.9878, 7.6395, 23.1396

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.



26.8854, 20.8251, 36.1546



16.4709, 20.8251, 8.4617



19.5245, 20.8251, 51.7733

Square

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



16.4709, 20.8251, 8.4617



13.8591, 20.8251, 34.3548



23.5356, 20.8251, 47.5583



27.2184, 20.8251, 13.9971

Rectangle

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



16.4709, 20.8251, 8.4617



13.3055, 20.8251, 18.4620



23.5356, 20.8251, 47.5583



28.1079, 20.8251, 27.4846

Sweetspot

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



16.4714, 20.8260, 8.4621



36.1075, 40.2997, 33.6400



13.9038, 11.8266, 6.8604



8.0427, 9.0378, 7.2976



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



16.4714, 20.8260, 8.4621



27.7867, 36.4967, 11.2690



12.9159, 18.9931, 8.2957



4.9192, 5.3609, 5.0049



12.6648, 18.3889, 2.8819



0.0509, 0.0673, 0.0103

Inverse Universe

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



9.9878, 7.6395, 23.1396



14.7407, 9.9154, 40.8753



13.6585, 9.5318, 23.3114



4.5449, 4.6015, 5.8494



4.7419, 1.9787, 21.2687



0.0227, 0.0101, 0.0740

Previews

White Background



This preview shows how the XYZ color 16.4709, 20.8251, 8.4617 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 16.4709, 20.8251, 8.4617 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 × Fail

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

XYZ 16.4709, 20.8251, 8.4617

Background



This preview shows how black text looks on a background with the XYZ color 16.4709, 20.8251, 8.4617.



This preview shows how white text looks on a background with the XYZ color 16.4709, 20.8251,

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

16.4709, 20.8251, 8.4617

Protanopia

19.0625, 20.7923, 8.0096

Deuteranopia

20.9588, 20.6474, 8.6751



Tritanopia

19.8752, 20.6275, 25.8556

Trichromacy



Original Color

16.4709, 20.8251, 8.4617

Protanomaly

18.0395, 20.8397, 8.2259

Deuteranomaly

19.0553, 20.5859, 8.5994

Tritanomaly

18.2794, 20.5572, 17.7564

Monochromacy



Original Color

16.4709, 20.8251, 8.4617

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

17.1538, 19.4584, 15.1637

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.4709, 20.8251, 8.4617 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(115, 133, 67)` looks like.

```
.text, #text, p{  
    color:rgb(115, 133, 67)  
}
```

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(115, 133, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 133, 67) }
```

Border

The CSS property to change the border of an element to XYZ 16.4709, 20.8251, 8.4617 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(115, 133, 67) }
```


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

```
.border{ border-color:rgb(115, 133, 67) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 133, 67)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 133, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 133, 67);  
box-shadow:4px 4px 4px 4px rgb(115, 133,  
67) }
```

Background

The CSS property to change the background color of an element to XYZ 16.4709, 20.8251, 8.4617 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 133, 67) }
```

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

```
.background{ background-color: rgb(115,  
133, 67) }
```

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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