

Converting Colors

XYZ(11.3590, 16.9918, 49.7770)

Have a look what the booklet for
XYZ(11.3590, 16.9918, 49.7770)
contains.

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Color

**XYZ(17.2209, 20.0904,
49.9839)**

Conversions

Conversions Part 1

Format	Color
Hex	0084BB
RGB	0, 132, 187
RGB Percent	0%, 52%, 73%
CMY	0.9999, 0.4823, 0.2667
CMYK	1.00, 0.29, 0.00, 0.27
HSL	198°, 100%, 37%
HSV	198°, 100%, 73%
XYZ	17.2209, 20.0904, 49.9839
YIQ	98.8020, -96.3270, -10.8790

Conversions

Conversions Part 2

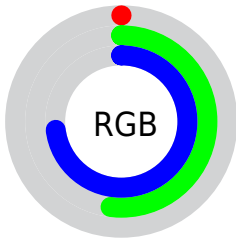
Format	Color
RYB	0, 77, 187
Decimal	33979
CIELab	51.94, -9.91, -37.15
CIELCh	52, 38.447, 255.057
Yxy	20.0904, 0.1973, 0.2301
Android (android.graphics.Color)	4278224059 (0xFF0084BB)
YUV	98.8020, 43.4816, -86.6494
Hunter-Lab	44.8223, -9.8587, -34.7420

Details

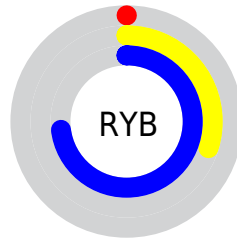
The XYZ color **17.2209, 20.0904, 49.9839** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **21.8618, 13.3008, 1.4161**, and the grayscale version is **11.7245, 12.3351, 13.4329**.

A 20% lighter version of the original color is **38.2459, 43.6019, 91.1942**, and **7.3269, 7.8800, 23.3251** is the 20% darker color. If you saturate the color by 10%, you get **17.2197, 20.0879, 49.9839**, and if you desaturate by 10%, it is **18.2504, 21.7582, 50.2520**.

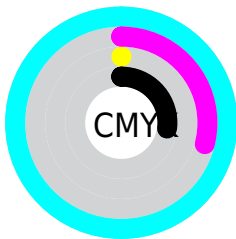
Distribution



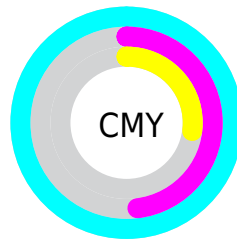
- Red (0%)
- Green (52%)
- Blue (73%)



- Red (0%)
- Yellow (30%)
- Blue (73%)



- Cyan (100%)
- Magenta (29%)
- Yellow (0%)
- Black (27%)



- Cyan (100%)
- Magenta (48%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.2209, 20.0904, 49.9839 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 17.2209, 20.0904, 49.9839 by changing the saturation by 10% instead.

■ 17.2209, 20.0904,
49.9839

■ 17.2209, 20.0904,
49.9839

229.5737,
252.4041, 403.3362

■ 10.4884, 12.4608,
35.0295

■ 38.2458, 43.5687,
91.5471

■ 5.7887, 7.0583,
23.4019

■ 53.2689, 60.1862,
118.9930

■ 2.7565, 3.4986,
14.6824

■ 71.7862, 80.5683,
151.4397

■ 1.0263, 1.3972,
8.4527

■ 94.1631, 105.0997,
189.3060

■ 0.0000, 0.2147,
4.2941

■ 120.7649,
134.1645, 233.0102

■ 0.0000, 0.0000,
1.7880

■ 151.9571,

■ 0.0000, 0.0000,

168.1472, 282.9710

0.4200

188.1049,
207.4323, 339.6068

■ 0.0000, 0.0000,
0.0000

■ 17.2209, 20.0904,
49.9839

■ 17.2209, 20.0904,
49.9839

■ 17.2197, 20.0879,
49.9839

■ 18.2504, 21.7582,
50.2520

■ 19.5714, 23.6353,
50.5447

■ 21.2775, 25.7710,
50.8670

■ 23.4151, 28.1902,
51.2213

■ 26.0239, 30.9140,
51.6095

■ 29.1385, 33.9612,
52.0335

■ 32.7903, 37.3487,
52.4949

■ 37.0079, 41.0920,
52.9951

■ 41.8180, 45.2056,
53.5356

Harmonies

Analogous

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



14.2599, 20.0904, 40.9375



17.2209, 20.0904, 49.9839



21.1166, 20.0904, 49.9646

Triad

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



17.2209, 20.0904, 49.9839



27.3179, 20.0904, 16.7429



14.2512, 20.0904, 9.9146

Complementary

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



17.2209, 20.0904, 49.9839



21.8618, 13.3008, 1.4161

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.



17.2074, 20.0904, 6.9710



17.2209, 20.0904, 49.9839



24.9162, 20.0904, 9.8966

Square

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



17.2209, 20.0904, 49.9839



27.3228, 20.0904, 27.9125



21.1011, 20.0904, 6.9658



12.7114, 20.0904, 16.7777

Rectangle

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



17.2209, 20.0904, 49.9839



23.7494, 20.0904, 44.6686



21.1011, 20.0904, 6.9658



15.0929, 20.0904, 8.5561

Sweetspot

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



17.2216, 20.0911, 49.9844



58.3729, 66.5695, 93.9740



18.4138, 35.7983, 9.3086



12.2226, 14.0799, 20.6161



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



17.2216, 20.0911, 49.9844



30.6251, 35.5469, 89.4485



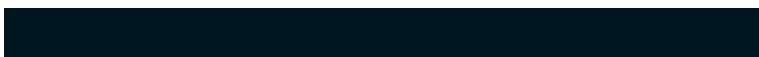
9.7475, 5.1427, 47.4930



9.5651, 10.3225, 12.1605



11.9294, 13.9705, 34.4607



0.5214, 0.6554, 1.3679

Inverse Universe

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



24.6591, 12.2317, 22.8916



44.0533, 21.8613, 40.4195



30.8488, 31.2747, 4.4118



9.8071, 9.6471, 11.3732



17.0222, 8.4400, 15.9422



0.6941, 0.3415, 0.7682

Previews

White Background



This preview shows how the XYZ color 17.2209, 20.0904, 49.9839 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 17.2209, 20.0904, 49.9839 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 17.2209, 20.0904, 49.9839

Background



This preview shows how black text looks on a background with the XYZ color 17.2209, 20.0904, 49.9839.

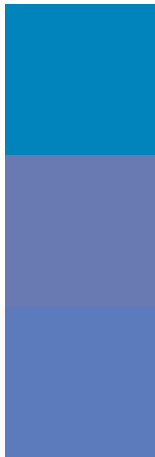


This preview shows how white text looks on a background with the XYZ color 17.2209, 20.0904,

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

17.2209, 20.0904, 49.9839

Protanopia

20.6990, 19.8924, 44.8681

Deuteranopia

20.5827, 20.0642, 50.9321



Tritanopia

14.2121, 19.9979, 30.7147

Trichromacy



Original Color

17.2209, 20.0904, 49.9839

Protanomaly

17.9888, 19.1967, 46.4733

Deuteranomaly

18.2829, 19.4521, 50.3680

Tritanomaly

15.1856, 19.9366, 37.2302

Monochromacy



Original Color

17.2209, 20.0904, 49.9839

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

11.8311, 14.0643, 23.5639

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.2209, 20.0904, 49.9839 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(0, 132, 187)` looks like.

```
.text, #text, p{  
    color:rgb(0, 132, 187)  
}
```

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(0, 132, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 132, 187) }
```

Border

The CSS property to change the border of an element to XYZ 17.2209, 20.0904, 49.9839 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(0, 132, 187) }
```


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

```
.border{ border-color:rgb(0, 132, 187) }
```

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

Here you see how a box with a 4 pixel rgb(0, 132, 187) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 132, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 132, 187);  
box-shadow:4px 4px 4px 4px rgb(0, 132,  
187) }
```

Background

The CSS property to change the background color of an element to XYZ 17.2209, 20.0904, 49.9839 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 132, 187) }
```

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

```
.background{ background-color: rgb(0, 132,  
187) }
```

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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