

Converting Colors

XYZ(17.1513, 20.2800, 50.2509)

Have a look what the booklet for
XYZ(17.1513, 20.2800, 50.2509)
contains.

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Color

**XYZ(17.3572, 20.3629,
50.0293)**

Conversions

Conversions Part 1

Format	Color
Hex	0085BB
RGB	0, 133, 187
RGB Percent	0%, 52%, 73%
CMY	0.9998, 0.4784, 0.2667
CMYK	1.00, 0.29, 0.00, 0.27
HSL	197°, 100%, 37%
HSV	197°, 100%, 73%
XYZ	17.3572, 20.3629, 50.0293
YIQ	99.3890, -96.6020, -11.4020

Conversions

Conversions Part 2

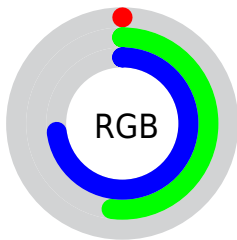
Format	Color
RYB	0, 78, 187
Decimal	34235
CIELab	52.25, -10.49, -36.67
CIELCh	52, 38.137, 254.038
Yxy	20.3629, 0.1978, 0.2321
Android (android.graphics.Color)	4278224315 (0xFF0085BB)
YUV	99.3890, 43.1922, -87.1642
Hunter-Lab	45.1253, -10.3101, -34.1457

Details

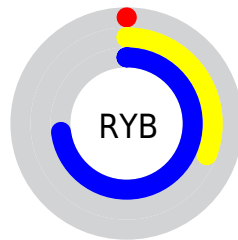
The XYZ color **17.3572, 20.3629, 50.0293** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **21.8150, 13.2072, 1.4007**, and the grayscale version is **11.8730, 12.4914, 13.6031**.

A 20% lighter version of the original color is **38.4559, 44.0218, 91.2642**, and **7.4040, 8.0341, 23.3508** is the 20% darker color. If you saturate the color by 10%, you get **17.3558, 20.3600, 50.0292**, and if you desaturate by 10%, it is **18.3796, 22.0164, 50.2950**.

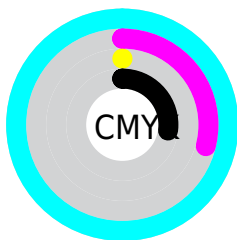
Distribution



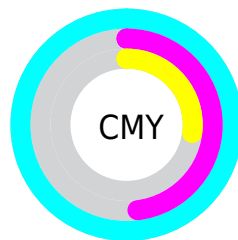
- Red (0%)
- Green (52%)
- Blue (73%)



- Red (0%)
- Yellow (31%)
- 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 17.3572, 20.3629, 50.0293 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 17.3572, 20.3629, 50.0293 by changing the saturation by 10% instead.

■ 17.3572, 20.3629,
50.0293

■ 17.3572, 20.3629,
50.0293

230.3388,
253.8730, 403.5189

■ 10.5864, 12.6591,
35.0653

■ 38.4776, 44.0248,
91.6150

■ 5.8547, 7.1942,
23.4293

■ 53.5580, 60.7517,
119.0739

■ 2.7967, 3.5839,
14.7025

■ 72.1388, 81.2550,
151.5348

■ 1.0472, 1.4436,
8.4666

■ 94.5856, 105.9193,
189.4163

■ 0.0000, 0.2485,
4.3029

■ 121.2636,
135.1288, 233.1369

■ 0.0000, 0.0000,
1.7929

■ 152.5383,

■ 0.0000, 0.0000,

169.2680, 283.1152

0.4233

188.7749,
208.7213, 339.7696

■ 0.0000, 0.0000,
0.0000

■ 17.3572, 20.3629,
50.0293

■ 17.3572, 20.3629,
50.0293

■ 17.3558, 20.3600,
50.0292

■ 18.3796, 22.0164,
50.2950

■ 19.6922, 23.8765,
50.5849

■ 21.3885, 25.9925,
50.9039

■ 23.5149, 28.3891,
51.2544

■ 26.1111, 31.0875,
51.6384

■ 29.2116, 34.1064,
52.0577

■ 32.8479, 37.4625,
52.5138

■ 37.0484, 41.1714,
53.0083

■ 41.8398, 45.2475,
53.5426

Harmonies

Analogous

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



14.4316, 20.3629, 40.7882



17.3572, 20.3629, 50.0293



21.2384, 20.3629, 50.3522

Triad

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



17.3572, 20.3629, 50.0293



27.6142, 20.3629, 17.3426



14.5790, 20.3629, 10.0043

Complementary

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



17.3572, 20.3629, 50.0293



21.8150, 13.2072, 1.4007

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.



17.5851, 20.3629, 7.1440



17.3572, 20.3629, 50.0293



25.2858, 20.3629, 10.3084

Square

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



17.3572, 20.3629, 50.0293



27.5314, 20.3629, 28.6443



21.4991, 20.3629, 7.2324



12.9815, 20.3629, 16.7560

Rectangle

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



17.3572, 20.3629, 50.0293



23.8811, 20.3629, 45.2644



21.4991, 20.3629, 7.2324



15.4391, 20.3629, 8.6755

Sweetspot

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



17.3580, 20.3636, 50.0298



58.4754, 66.7745, 94.0082



18.4139, 35.7984, 9.3091



12.2479, 14.1304, 20.6245



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.



17.3580, 20.3636, 50.0298



30.8706, 36.0378, 89.5303



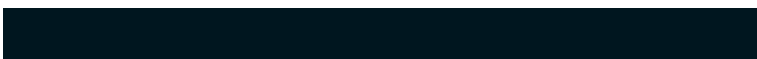
9.7477, 5.1431, 47.4931



9.5695, 10.3312, 12.1620



12.0225, 14.1568, 34.4918



0.5245, 0.6616, 1.3689

Inverse Universe

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



24.7279, 12.2593, 23.2537



44.1772, 21.9109, 41.0720



30.8490, 31.2751, 4.4120



9.8093, 9.6480, 11.3847



17.0692, 8.4588, 16.1898



0.6956, 0.3421, 0.7764

Previews

White Background



This preview shows how the XYZ color 17.3572, 20.3629, 50.0293 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 17.3572, 20.3629, 50.0293 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

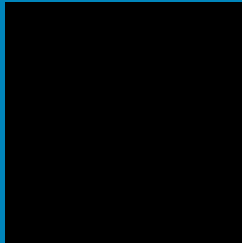
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 17.3572, 20.3629, 50.0293

Background



This preview shows how black text looks on a background with the XYZ color 17.3572, 20.3629, 50.0293.



This preview shows how white text looks on a background with the XYZ color 17.3572, 20.3629,

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

17.3572, 20.3629, 50.0293

Protanopia

20.9393, 20.1976, 44.9144

Deuteranopia

20.8066, 20.3647, 50.9783



Tritanopia

14.4338, 20.3151, 31.1774

Trichromacy



Original Color

17.3572, 20.3629, 50.0293

Protanomaly

18.1161, 19.4512, 46.5157

Deuteranomaly

18.4701, 19.7394, 50.4136

Tritanomaly

15.3257, 20.2170, 37.2769

Monochromacy



Original Color

17.3572, 20.3629, 50.0293

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 17.3572, 20.3629, 50.0293 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, 133, 187)` looks like.

```
.text, #text, p{  
    color:rgb(0, 133, 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, 133, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 133, 187) }
```

Border

The CSS property to change the border of an element to XYZ 17.3572, 20.3629, 50.0293 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, 133, 187) }
```


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

```
.border{ border-color:rgb(0, 133, 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, 133, 187) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 133, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 133, 187);  
box-shadow:4px 4px 4px 4px rgb(0, 133,  
187) }
```

Background

The CSS property to change the background color of an element to XYZ 17.3572, 20.3629, 50.0293 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 133, 187) }
```

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

```
.background{ background-color: rgb(0, 133,  
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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