

Converting Colors

XYZ(17.8512, 21.0571, 51.0988)

Have a look what the booklet for
XYZ(17.8512, 21.0571, 51.0988)
contains.

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Color

**XYZ(17.8493, 21.0021,
51.2572)**

Conversions

Conversions Part 1

Format	Color
Hex	0087BD
RGB	0, 135, 189
RGB Percent	0%, 53%, 74%
CMY	0.9998, 0.4706, 0.2588
CMYK	1.00, 0.29, 0.00, 0.26
HSL	197°, 100%, 37%
HSV	197°, 100%, 74%
XYZ	17.8493, 21.0021, 51.2572
YIQ	100.7910, -97.7940, -11.8260

Conversions

Conversions Part 2

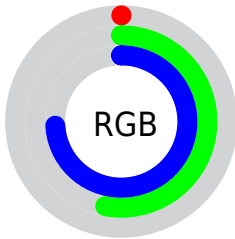
Format	Color
RYB	0, 79, 189
Decimal	34749
CIELab	52.95, -10.88, -36.70
CIELCh	53, 38.279, 253.491
Yxy	21.0021, 0.1981, 0.2331
Android (android.graphics.Color)	4278224829 (0xFF0087BD)
YUV	100.7910, 43.4870, -88.3937
Hunter-Lab	45.8280, -10.6762, -34.2343

Details

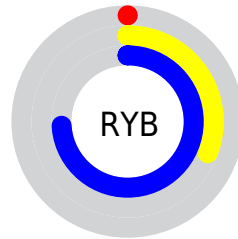
The XYZ color **17.8493, 21.0021, 51.2572** is a dark color, and the websafe version is hex **3399CC**, and the color name is **blue (ncs)**. A complement of this color would be **22.3076, 13.4609, 1.4236**, and the grayscale version is **12.2287, 12.8655, 14.0105**.

A 20% lighter version of the original color is **39.3371, 45.0532, 93.8116**, and **7.7010, 8.4048, 24.1381** is the 20% darker color. If you saturate the color by 10%, you get **17.8481, 20.9995, 51.2572**, and if you desaturate by 10%, it is **18.8898, 22.6860, 51.5278**.

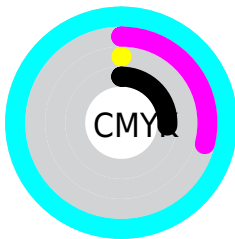
Distribution



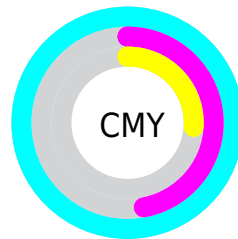
- Red (0%)
- Green (53%)
- Blue (74%)



- Red (0%)
- Yellow (31%)
- Blue (74%)



- Cyan (100%)
- Magenta (29%)
- Yellow (0%)
- Black (26%)



- Cyan (100%)
- Magenta (47%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.8493, 21.0021, 51.2572 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 17.8493, 21.0021, 51.2572 by changing the saturation by 10% instead.

■ 17.8493, 21.0021,
51.2572

■ 17.8493, 21.0021,
51.2572

■ 233.0823,
257.2897, 408.4373

■ 10.9409, 13.1255,
36.0352

■ 39.3125, 45.0910,
93.4502

■ 6.0941, 7.5150,
24.1715

■ 54.5979, 62.0722,
121.2583

■ 2.9436, 3.7862,
15.2475

■ 73.4064, 82.8570,
154.0989

■ 1.1240, 1.5547,
8.8447

■ 96.1034, 107.8299,
192.3904

■ 0.0451, 0.3268,
4.5446

■ 123.0541,
137.3752, 236.5515

■ 0.0000, 0.0000,
1.9286

■ 154.6239,

■ 0.0000, 0.0000,

171.8773, 287.0006

0.5109

191.1782,
211.7207, 344.1564

■ 0.0000, 0.0000,
0.0000

■ 17.8493, 21.0021,
51.2572

■ 17.8493, 21.0021,
51.2572

■ 17.8481, 20.9995,
51.2572

■ 18.8898, 22.6860,
51.5278

■ 20.2274, 24.5804,
51.8230

■ 21.9575, 26.7355,
52.1478

■ 24.1277, 29.1766,
52.5046

■ 26.7785, 31.9255,
52.8954

■ 29.9456, 35.0011,
53.3222

■ 33.6612, 38.4210,
53.7864

■ 37.9545, 42.2007,
54.2897

■ 42.8529, 46.3553,
54.8335

Harmonies

Analogous

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



14.8728, 21.0021, 41.6881



17.8493, 21.0021, 51.2572



21.8158, 21.0021, 51.7748

Triad

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



17.8493, 21.0021, 51.2572



28.4405, 21.0021, 18.0920



15.1102, 21.0021, 10.2942

Complementary

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



17.8493, 21.0021, 51.2572



22.3076, 13.4609, 1.4236

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.



18.2161, 21.0021, 7.4114



17.8493, 21.0021, 51.2572



26.0966, 21.0021, 10.7852

Square

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



17.8493, 21.0021, 51.2572



28.3076, 21.0021, 29.7368



22.2349, 21.0021, 7.5544



13.4425, 21.0021, 17.1474

Rectangle

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



17.8493, 21.0021, 51.2572



24.5275, 21.0021, 46.6793



22.2349, 21.0021, 7.5544



16.0012, 21.0021, 8.9498

Sweetspot

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



17.8501, 21.0028, 51.2577



59.9295, 68.4897, 96.2874



18.8542, 36.6582, 9.5203



12.2624, 14.1595, 20.6293



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.



17.8501, 21.0028, 51.2577



31.7505, 37.1796, 91.7292



9.9781, 5.2589, 48.6338



9.5719, 10.3362, 12.1628



12.0764, 14.2645, 34.5097



0.5262, 0.6651, 1.3695

Inverse Universe

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



25.3602, 12.5691, 24.0117



45.3090, 22.4655, 42.4254



31.5859, 32.0173, 4.5163



9.8105, 9.6485, 11.3913



17.0964, 8.4697, 16.3330



0.6965, 0.3425, 0.7812

Previews

White Background



This preview shows how the XYZ color 17.8493, 21.0021, 51.2572 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 17.8493, 21.0021, 51.2572 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

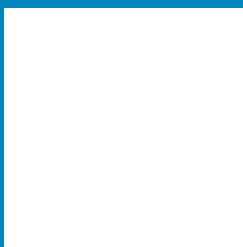
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 17.8493, 21.0021, 51.2572

Background



This preview shows how black text looks on a background with the XYZ color 17.8493, 21.0021, 51.2572.

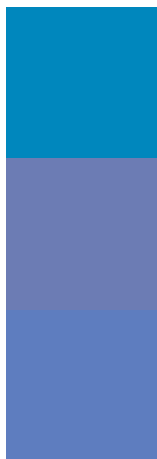


This preview shows how white text looks on a background with the XYZ color 17.8493, 21.0021,

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

17.8493, 21.0021, 51.2572

Protanopia

21.6302, 20.8987, 46.0738

Deuteranopia

21.3537, 20.8085, 52.1812



Tritanopia

14.8831, 20.9582, 32.1151

Trichromacy



Original Color

17.8493, 21.0021, 51.2572

Protanomaly

18.7207, 20.1224, 47.6971

Deuteranomaly

19.0080, 20.3789, 51.6469

Tritanomaly

15.7893, 20.8573, 38.3156

Monochromacy



Original Color

17.8493, 21.0021, 51.2572

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

12.2531, 14.5937, 24.3614

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.8493, 21.0021, 51.2572 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, 135, 189)` looks like.

```
.text, #text, p{  
    color:rgb(0, 135, 189)  
}
```

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, 135, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 135, 189) }
```

Border

The CSS property to change the border of an element to XYZ 17.8493, 21.0021, 51.2572 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, 135, 189) }
```


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

```
.border{ border-color:rgb(0, 135, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 135, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 135, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 135, 189);  
box-shadow:4px 4px 4px 4px rgb(0, 135,  
189) }
```

Background

The CSS property to change the background color of an element to XYZ 17.8493, 21.0021, 51.2572 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 135, 189) }
```

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

```
.background{ background-color: rgb(0, 135,  
189) }
```

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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