

Converting Colors

XYZ(17.3531, 20.5211, 49.5151)

Have a look what the booklet for
XYZ(17.3531, 20.5211, 49.5151)
contains.

XYZ(17.3880, 20.5954, 49.5132)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(17.3880, 20.5954,
49.5132)**

Conversions

Conversions Part 1

Format	Color
Hex	0086BA
RGB	0, 134, 186
RGB Percent	0%, 53%, 73%
CMY	0.9999, 0.4745, 0.2706
CMYK	1.00, 0.28, 0.00, 0.27
HSL	197°, 100%, 36%
HSV	197°, 100%, 73%
XYZ	17.3880, 20.5954, 49.5132
YIQ	99.8620, -96.5560, -12.2360

Conversions

Conversions Part 2

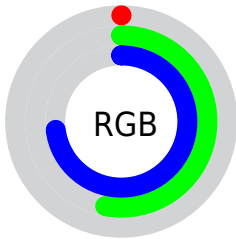
Format	Color
RYB	0, 78, 186
Decimal	34490
CIELab	52.50, -11.43, -35.69
CIElCh	53, 37.475, 252.234
Yxy	20.5954, 0.1987, 0.2354
Android (android.graphics.Color)	4278224570 (0xFF0086BA)
YUV	99.8620, 42.4660, -87.5790
Hunter-Lab	45.3822, -11.0272, -32.9195

Details

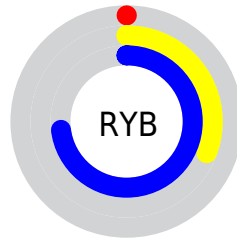
The XYZ color **17.3880, 20.5954, 49.5132** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **21.4795, 12.8982, 1.3585**, and the grayscale version is **11.9938, 12.6184, 13.7414**.

A 20% lighter version of the original color is **38.4134, 44.3311, 90.5366**, and **7.4821, 8.1905, 23.3769** is the 20% darker color. If you saturate the color by 10%, you get **17.3870, 20.5933, 49.5133**, and if you desaturate by 10%, it is **18.3864, 22.2039, 49.7715**.

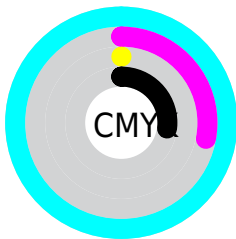
Distribution



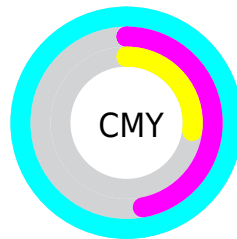
- Red (0%)
- Green (53%)
- Blue (73%)



- Red (0%)
- Yellow (31%)
- Blue (73%)



- Cyan (100%)
- Magenta (28%)
- Yellow (0%)
- Black (27%)



- Cyan (100%)
- Magenta (47%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.3880, 20.5954, 49.5132 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 17.3880, 20.5954, 49.5132 by changing the saturation by 10% instead.

■ 17.3880, 20.5954,
49.5132

■ 17.3880, 20.5954,
49.5132

230.5114,
255.1204, 401.4396

■ 10.6085, 12.8286,
34.6583

■ 38.5300, 44.4132,
90.8421

■ 5.8696, 7.3106,
23.1183

■ 53.6232, 61.2329,
118.1531

■ 2.8059, 3.6571,
14.4748

■ 72.2184, 81.8391,
150.4532

■ 1.0519, 1.4837,
8.3091

■ 94.6810, 106.6161,
188.1610

■ 0.0000, 0.2772,
4.2028

■ 121.3762,
135.9484, 231.6950

■ 0.0000, 0.0000,
1.7372

■ 152.6694,

■ 0.0000, 0.0000,

170.2202, 281.4737

0.3861

188.9260,
209.8161, 337.9158

■ 0.0000, 0.0000,
0.0000

■ 17.3880, 20.5954,
49.5132

■ 17.3880, 20.5954,
49.5132

■ 17.3870, 20.5933,
49.5133

■ 18.3864, 22.2039,
49.7715

■ 19.6688, 24.0118,
50.0529

■ 21.3279, 26.0678,
50.3623

■ 23.4095, 28.3962,
50.7020

■ 25.9525, 31.0178,
51.0740

■ 28.9911, 33.9509,
51.4800

■ 32.5561, 37.2121,
51.9215

■ 36.6759, 40.8165,
52.4001

■ 41.3764, 44.7783,
52.9171

Harmonies

Analogous

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



14.5592, 20.5954, 40.0498



17.3880, 20.5954, 49.5132



21.1975, 20.5954, 50.4229

Triad

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



17.3880, 20.5954, 49.5132



27.8001, 20.5954, 18.1991



14.9808, 20.5954, 10.0425

Complementary

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



17.3880, 20.5954, 49.5132



21.4795, 12.8982, 1.3585

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.



18.0381, 20.5954, 7.3641



17.3880, 20.5954, 49.5132



25.6286, 20.5954, 10.9197

Square

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



17.3880, 20.5954, 49.5132



27.5655, 20.5954, 29.5891



21.9388, 20.5954, 7.6208



13.3008, 20.5954, 16.5219

Rectangle

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



17.3880, 20.5954, 49.5132



23.8259, 20.5954, 45.7601



21.9388, 20.5954, 7.6208



15.8630, 20.5954, 8.7816

Sweetspot

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



17.3888, 20.5961, 49.5137



58.6529, 67.1295, 94.0673



18.1271, 35.3454, 8.8423



12.2916, 14.2179, 20.6391



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.



17.3888, 20.5961, 49.5137



31.3000, 36.8967, 89.6735



9.7429, 5.3043, 46.9651



9.0487, 9.7746, 11.4892



11.7631, 13.9858, 33.3326



0.4640, 0.5917, 1.1915

Inverse Universe

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



24.5534, 12.1612, 23.6081



44.3940, 21.9976, 42.2135



30.0138, 29.9668, 4.2032



9.2709, 9.1187, 10.7741



16.5511, 8.1942, 16.0549



0.6084, 0.2988, 0.6971

Previews

White Background



This preview shows how the XYZ color 17.3880, 20.5954, 49.5132 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 17.3880, 20.5954, 49.5132 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

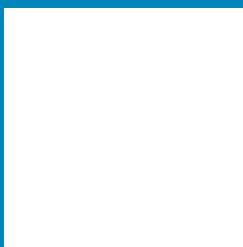
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 17.3880, 20.5954, 49.5132

Background



This preview shows how black text looks on a background with the XYZ color 17.3880, 20.5954, 49.5132.

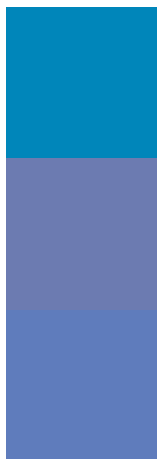


This preview shows how white text looks on a background with the XYZ color 17.3880, 20.5954,

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

17.3880, 20.5954, 49.5132

Protanopia

21.2031, 20.5284, 44.4398

Deuteranopia

21.0041, 20.4790, 50.4228



Tritanopia

14.6574, 20.6352, 31.6442

Trichromacy



Original Color

17.3880, 20.5954, 49.5132

Protanomaly

18.2818, 19.7392, 46.0265

Deuteranomaly

18.5523, 19.9869, 49.8937

Tritanomaly

15.4672, 20.5000, 37.3241

Monochromacy



Original Color

17.3880, 20.5954, 49.5132

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

12.0053, 14.3170, 23.6034

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.3880, 20.5954, 49.5132 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, 134, 186)` looks like.

```
.text, #text, p{  
    color:rgb(0, 134, 186)  
}
```

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, 134, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 134, 186) }
```

Border

The CSS property to change the border of an element to XYZ 17.3880, 20.5954, 49.5132 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, 134, 186) }
```


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

```
.border{ border-color:rgb(0, 134, 186) }
```

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

Here you see how a box with a 4 pixel rgb(0, 134, 186) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 134, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 134, 186);  
box-shadow:4px 4px 4px 4px rgb(0, 134,  
186) }
```

Background

The CSS property to change the background color of an element to XYZ 17.3880, 20.5954, 49.5132 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 134, 186) }
```

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

```
.background{ background-color: rgb(0, 134,  
186) }
```

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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