

Converting Colors

XYZ(17.5938, 20.9815, 49.6606)

Have a look what the booklet for
XYZ(17.5938, 20.9815, 49.6606)
contains.

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Color

**XYZ(17.5269, 20.8731,
49.5595)**

Conversions

Conversions Part 1

Format	Color
Hex	0087BA
RGB	0, 135, 186
RGB Percent	0%, 53%, 73%
CMY	0.9998, 0.4706, 0.2706
CMYK	1.00, 0.27, 0.00, 0.27
HSL	196°, 100%, 36%
HSV	196°, 100%, 73%
XYZ	17.5269, 20.8731, 49.5595
YIQ	100.4490, -96.8310, -12.7590

Conversions

Conversions Part 2

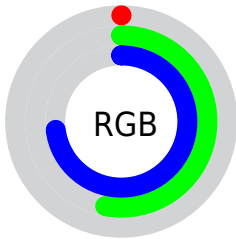
Format	Color
R _{YB}	0, 78, 186
Decimal	34746
CIE _{Lab}	52.81, -12.00, -35.21
CIE _{LCh}	53, 37.197, 251.175
Y _{xy}	20.8731, 0.1993, 0.2373
Android (android.graphics.Color)	4278224826 (0xFF0087BA)
YUV	100.4490, 42.1766, -88.0938
Hunter-Lab	45.6871, -11.4746, -32.3344

Details

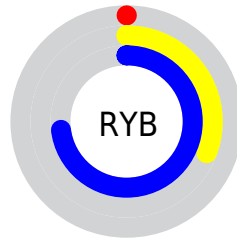
The XYZ color **17.5269, 20.8731, 49.5595** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **21.4356, 12.8103, 1.3440**, and the grayscale version is **12.1442, 12.7767, 13.9138**.

A 20% lighter version of the original color is **38.6263, 44.7569, 90.6075**, and **7.4821, 8.1905, 23.3769** is the 20% darker color. If you saturate the color by 10%, you get **17.5257, 20.8706, 49.5595**, and if you desaturate by 10%, it is **18.5176, 22.4662, 49.8152**.

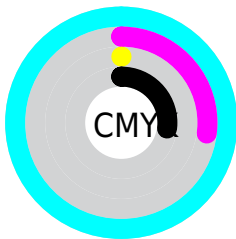
Distribution



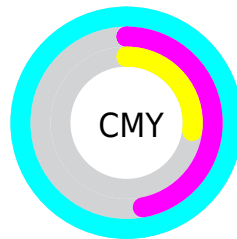
- Red (0%)
- Green (53%)
- Blue (73%)



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



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



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.5269, 20.8731, 49.5595 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 17.5269, 20.8731, 49.5595 by changing the saturation by 10% instead.

■ 17.5269, 20.8731,
49.5595

■ 17.5269, 20.8731,
49.5595

■ 231.2882,
256.6033, 401.6264

■ 10.7085, 13.0313,
34.6948

■ 38.7659, 44.8762,
90.9114

■ 5.9370, 7.4501,
23.1462

■ 53.9173, 61.8063,
118.2358

■ 2.8471, 3.7451,
14.4952

■ 72.5770, 82.5347,
150.5503

■ 1.0734, 1.5320,
8.3232

■ 95.1104, 107.4456,
188.2738

■ 0.0027, 0.3111,
4.2117

■ 121.8829,
136.9235, 231.8245

■ 0.0000, 0.0000,
1.7422

■ 153.2598,

■ 0.0000, 0.0000,

171.3529, 281.6212

0.3894

189.6064,
211.1180, 338.0823

■ 0.0000, 0.0000,
0.0000

■ 17.5269, 20.8731,
49.5595

■ 17.5269, 20.8731,
49.5595

■ 17.5257, 20.8706,
49.5595

■ 18.5176, 22.4662,
49.8152

■ 19.7911, 24.2560,
50.0936

■ 21.4399, 26.2913,
50.3995

■ 23.5099, 28.5964,
50.7353

■ 26.0399, 31.1920,
51.1030

■ 29.0642, 34.0962,
51.5042

■ 32.6136, 37.3257,
51.9405

■ 36.7161, 40.8956,
52.4133

■ 41.3980, 44.8199,
52.9240

Harmonies

Analogous

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



14.7346, 20.8731, 39.9063



17.5269, 20.8731, 49.5595



21.3214, 20.8731, 50.8111

Triad

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



17.5269, 20.8731, 49.5595



28.0999, 20.8731, 18.8307



15.3196, 20.8731, 10.1353

Complementary

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



17.5269, 20.8731, 49.5595



21.4356, 12.8103, 1.3440

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.



18.4275, 20.8731, 7.5447



17.5269, 20.8731, 49.5595



26.0046, 20.8731, 11.3585

Square

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



17.5269, 20.8731, 49.5595



27.7761, 20.8731, 30.3464



22.3465, 20.8731, 7.9042



13.5797, 20.8731, 16.5038

Rectangle

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



17.5269, 20.8731, 49.5595



23.9595, 20.8731, 46.3623



22.3465, 20.8731, 7.9042



16.2207, 20.8731, 8.9049

Sweetspot

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



17.5277, 20.8738, 49.5600



58.7566, 67.3369, 94.1019



18.1273, 35.3455, 8.8427



12.3172, 14.2691, 20.6476



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.



17.5277, 20.8738, 49.5600



31.5535, 37.4036, 89.7580



9.7431, 5.3046, 46.9652



9.0528, 9.7828, 11.4906



11.8557, 14.1710, 33.3635



0.4667, 0.5971, 1.1924

Inverse Universe

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



24.6236, 12.1893, 23.9772



44.5219, 22.0487, 42.8871



30.0140, 29.9672, 4.2034



9.2730, 9.1196, 10.7850



16.5979, 8.2129, 16.3011



0.6097, 0.2994, 0.7043

Previews

White Background



This preview shows how the XYZ color 17.5269, 20.8731, 49.5595 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 17.5269, 20.8731, 49.5595 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 17.5269, 20.8731, 49.5595

Background



This preview shows how black text looks on a background with the XYZ color 17.5269, 20.8731, 49.5595.

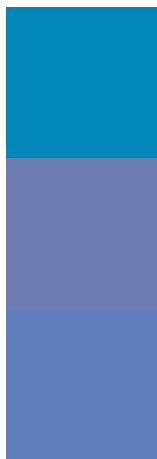


This preview shows how white text looks on a background with the XYZ color 17.5269, 20.8731,

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

17.5269, 20.8731, 49.5595

Protanopia

21.4501, 20.8408, 44.4871

Deuteranopia

21.3405, 20.8395, 50.4746



Tritanopia

14.8831, 20.9582, 32.1151

Trichromacy



Original Color

17.5269, 20.8731, 49.5595

Protanomaly

18.4116, 19.9988, 46.0698

Deuteranomaly

18.8065, 20.3125, 49.9432

Tritanomaly

15.6993, 20.8213, 37.8418

Monochromacy



Original Color

17.5269, 20.8731, 49.5595

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

12.1162, 14.5389, 23.6404

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.5269, 20.8731, 49.5595 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, 186)` looks like.

```
.text, #text, p{  
    color:rgb(0, 135, 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, 135, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 135, 186) }
```

Border

The CSS property to change the border of an element to XYZ 17.5269, 20.8731, 49.5595 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, 186) }
```


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

```
.border{ border-color:rgb(0, 135, 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, 135, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 135, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 135, 186);  
box-shadow:4px 4px 4px 4px rgb(0, 135,  
186) }
```

Background

The CSS property to change the background color of an element to XYZ 17.5269, 20.8731, 49.5595 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, 186) }
```

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

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