

Converting Colors

XYZ(20.3849, 17.8839, 59.5043)

Have a look what the booklet for
XYZ(20.3849, 17.8839, 59.5043)
contains.

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Color

**XYZ(20.3494, 17.8328,
59.4963)**

Conversions

Conversions Part 1

Format	Color
Hex	5470CC
RGB	84, 112, 204
RGB Percent	33%, 44%, 80%
CMY	0.6706, 0.5608, 0.2000
CMYK	0.59, 0.45, 0.00, 0.20
HSL	226°, 54%, 56%
HSV	226°, 59%, 80%
XYZ	20.3494, 17.8328, 59.4963
YIQ	114.1160, -46.2200, 22.6760

Conversions

Conversions Part 2

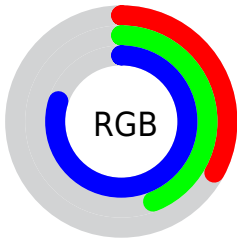
Format	Color
RYB	84, 107, 204
Decimal	5533900
CIELab	49.29, 17.68, -50.93
CIElCh	49, 53.917, 289.145
Yxy	17.8328, 0.2083, 0.1826
Android (android.graphics.Color)	4283723980 (0xFF5470CC)
YUV	114.1160, 44.3128, -26.4117
Hunter-Lab	42.2289, 12.1156, -53.9735

Details

The XYZ color **20.3494, 17.8328, 59.4963** is a dark color, and the websafe version is hex **3366CC**. The color can be described as middle muted azure. A complement of this color would be **42.0288, 44.5304, 14.7688**, and the grayscale version is **15.9110, 16.7396, 18.2294**.

A 20% lighter version of the original color is **42.3025, 39.1652, 99.9378**, and **7.3401, 5.9634, 29.1980** is the 20% darker color. If you saturate the color by 10%, you get **17.2038, 13.8682, 58.8972**, and if you desaturate by 10%, it is **24.3279, 22.6722, 60.2211**.

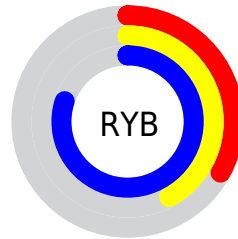
Distribution



Red (33%)

Green (44%)

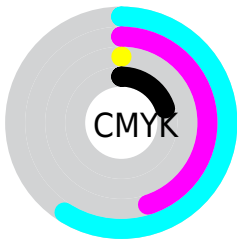
Blue (80%)



Red (33%)

Yellow (42%)

Blue (80%)

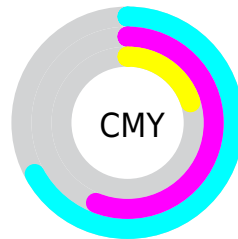


Cyan (59%)

Magenta (45%)

Yellow (0%)

Black (20%)



Cyan (67%)

Magenta (56%)

Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.3494, 17.8328, 59.4963 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 20.3494, 17.8328, 59.4963 by changing the saturation by 10% instead.

■ 20.3494, 17.8328,
59.4963

■ 20.3494, 17.8328,
59.4963

246.5981,
239.9269, 440.4916

■ 12.7590, 10.8300,
42.5901

■ 43.5017, 39.7522,
105.6348

■ 7.3387, 5.9526,
29.2346

■ 59.7943, 55.4376,
135.7043

■ 3.7230, 2.8163,
19.0113

■ 79.7184, 74.7860,
170.9986

■ 1.5466, 1.0366,
11.5015

■ 103.6393, 98.1819,
211.9363

■ 0.3572, 0.0000,
6.2869

131.9223,
126.0095, 258.9359

■ 0.0000, 0.0000,
2.9487

164.9329,

■ 0.0000, 0.0000,

158.6532, 312.4160

1.0685

203.0364,
196.4976, 372.7950

■ 0.0000, 0.0000,
0.0000

■ 20.3494, 17.8328,
59.4963

■ 20.3494, 17.8328,
59.4963

■ 17.2038, 13.8682,
58.8972

■ 24.3279, 22.6722,
60.2211

■ 14.8257, 10.7210,
58.4151

■ 29.1932, 28.4349,
61.0770

■ 13.1429, 8.3293,
58.0421

■ 34.9975, 35.1680,
62.0707

■ 12.0460, 6.6087,
57.7679

■ 41.7878, 42.9145,
63.2080

■ 11.9396, 6.4405,
57.7410

■ 49.6081, 51.7151,
64.4945

■ 58.4997, 61.6077,
65.9354

■ 68.5015, 72.6288,
67.5355

■ 79.6505, 84.8129,
69.2996

■ 87.1909, 95.7231,
71.0081

Harmonies

Analogous

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



15.1804, 17.8328, 61.7260



20.3494, 17.8328, 59.4963



25.4371, 17.8328, 43.9816

Triad

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



20.3494, 17.8328, 59.4963



24.1538, 17.8328, 5.0362



9.0695, 17.8328, 14.6227

Complementary

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



20.3494, 17.8328, 59.4963



42.0288, 44.5304, 14.7688

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.



10.5974, 17.8328, 6.2875



20.3494, 17.8328, 59.4963



18.8510, 17.8328, 2.8845

Square

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



20.3494, 17.8328, 59.4963



27.9183, 17.8328, 11.6289



13.9512, 17.8328, 3.1874



9.3119, 17.8328, 30.0794

Rectangle

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



20.3494, 17.8328, 59.4963



27.7799, 17.8328, 31.1386



13.9512, 17.8328, 3.1874



9.3787, 17.8328, 11.0821

Sweetspot

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



20.3502, 17.8334, 59.4968



69.9158, 71.8759, 104.7962



33.0864, 48.2058, 48.6361



14.2118, 14.5303, 22.3055



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



20.3502, 17.8334, 59.4968



27.1375, 21.2085, 97.2711



21.2730, 14.4145, 58.7882



10.8107, 11.2617, 14.1743



7.5748, 4.1735, 36.3626



0.4508, 0.3353, 1.8959

Inverse Universe

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



30.9975, 20.3489, 17.6236



46.8489, 27.4163, 19.4036



40.2072, 52.5971, 16.4218



11.3178, 11.2558, 12.2081



16.0343, 8.2243, 2.6333



0.8575, 0.4364, 0.2953

Previews

White Background



This preview shows how the XYZ color 20.3494, 17.8328, 59.4963 looks on a white background.

Color Contrast Check

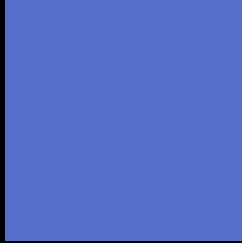
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 20.3494, 17.8328, 59.4963 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

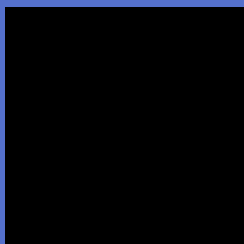
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 20.3494, 17.8328, 59.4963

Background



This preview shows how black text looks on a background with the XYZ color 20.3494, 17.8328, 59.4963.



This preview shows how white text looks on a background with the XYZ color 20.3494, 17.8328,

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

20.3494, 17.8328, 59.4963

Protanopia

19.9819, 17.9467, 60.8034

Deuteranopia

18.4768, 17.8970, 58.9806



Tritanopia

13.6803, 17.7971, 26.3811

Trichromacy



Original Color

20.3494, 17.8328, 59.4963

Protanomaly

20.0665, 17.8377, 60.1430

Deuteranomaly

18.9494, 17.7947, 58.9359

Tritanomaly

15.6393, 17.6505, 36.3008

Monochromacy



Original Color

20.3494, 17.8328, 59.4963

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

16.7651, 16.8004, 29.9629

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.3494, 17.8328, 59.4963 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(84, 112, 204)` looks like.

```
.text, #text, p{  
    color:rgb(84, 112, 204)  
}
```

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(84, 112, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 112, 204) }
```

Border

The CSS property to change the border of an element to XYZ 20.3494, 17.8328, 59.4963 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(84, 112, 204) }
```


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

```
.border{ border-color:rgb(84, 112, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 112, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 112, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 112, 204);  
box-shadow:4px 4px 4px 4px rgb(84, 112,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 20.3494, 17.8328, 59.4963 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 112, 204) }
```

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

```
.background{ background-color: rgb(84, 112,  
204) }
```

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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