

Converting Colors

XYZ(20.1655, 17.7728, 59.4946)

Have a look what the booklet for
XYZ(20.1655, 17.7728, 59.4946)
contains.

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Color

**XYZ(20.1729, 17.7418,
59.4880)**

Conversions

Conversions Part 1

Format	Color
Hex	5270CC
RGB	82, 112, 204
RGB Percent	32%, 44%, 80%
CMY	0.6784, 0.5608, 0.2000
CMYK	0.60, 0.45, 0.00, 0.20
HSL	225°, 54%, 56%
HSV	225°, 60%, 80%
XYZ	20.1729, 17.7418, 59.4880
YIQ	113.5180, -47.4120, 22.2520

Conversions

Conversions Part 2

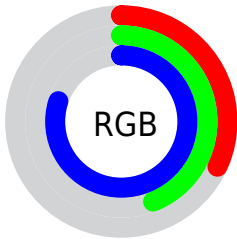
Format	Color
R _Y B	82, 106, 204
Decimal	5402828
CIE Lab	49.18, 17.30, -51.12
CIE LCh	49, 53.965, 288.692
Yxy	17.7418, 0.2071, 0.1821
Android (android.graphics.Color)	4283592908 (0xFF5270CC)
YUV	113.5180, 44.6076, -27.6413
Hunter-Lab	42.1210, 11.7767, -54.2512

Details

The XYZ color **20.1729, 17.7418, 59.4880** 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 **41.5623, 43.7209, 14.2323**, and the grayscale version is **15.7322, 16.5515, 18.0246**.

A 20% lighter version of the original color is **42.1317, 39.0771, 99.9298**, and **7.3151, 5.9505, 29.1968** is the 20% darker color. If you saturate the color by 10%, you get **17.1005, 13.8499, 58.8991**, and if you desaturate by 10%, it is **24.0640, 22.4867, 60.1992**.

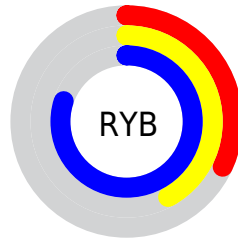
Distribution



Red (32%)

Green (44%)

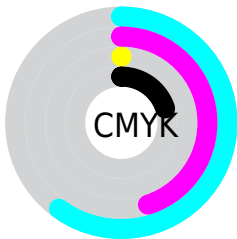
Blue (80%)



Red (32%)

Yellow (42%)

Blue (80%)

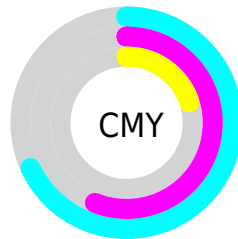


Cyan (60%)

Magenta (45%)

Yellow (0%)

Black (20%)



Cyan (68%)

Magenta (56%)

Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.1729, 17.7418, 59.4880 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 20.1729, 17.7418, 59.4880 by changing the saturation by 10% instead.

■ 20.1729, 17.7418,
59.4880

■ 20.1729, 17.7418,
59.4880

245.6654,
239.4116, 440.4601

■ 12.6298, 10.7648,
42.5835

■ 43.2086, 39.5969,
105.6227

■ 7.2493, 5.9089,
29.2295

■ 59.4319, 55.2437,
135.6899

■ 3.6662, 2.7898,
19.0074

■ 79.2793, 74.5492,
170.9818

■ 1.5151, 1.0230,
11.4988

■ 103.1162, 97.8979,
211.9169

■ 0.3361, 0.0000,
6.2850

131.3079,
125.6741, 258.9138

■ 0.0000, 0.0000,
2.9476

164.2197,

■ 0.0000, 0.0000,

158.2622, 312.3909

1.0679

202.2171,
196.0466, 372.7668

■ 0.0000, 0.0000,
0.0000

■ 20.1729, 17.7418,
59.4880

■ 20.1729, 17.7418,
59.4880

■ 17.1005, 13.8499,
58.8991

■ 24.0640, 22.4867,
60.1992

■ 14.7816, 10.7548,
58.4239

■ 28.8277, 28.1322,
61.0378

■ 13.1437, 8.3957,
58.0549

■ 34.5157, 34.7240,
62.0103

■ 12.0648, 6.6834,
57.7812

■ 41.1748, 42.3043,
63.1225

■ 12.0465, 6.6544,
57.7766

■ 48.8487, 50.9126,
64.3796

■ 57.5783, 60.5861,
65.7867

■ 67.4023, 71.3604,
67.3486

■ 78.3572, 83.2689,
69.0698

■ 86.4677, 94.2767,
70.7670

Harmonies

Analogous

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



15.0286, 17.7418, 61.4733



20.1729, 17.7418, 59.4880



25.2662, 17.7418, 44.1260

Triad

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



20.1729, 17.7418, 59.4880



24.1250, 17.7418, 5.0471



9.0166, 17.7418, 14.3588

Complementary

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



20.1729, 17.7418, 59.4880



41.5623, 43.7209, 14.2323

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.



10.5663, 17.7418, 6.1554



20.1729, 17.7418, 59.4880



18.8410, 17.7418, 2.8617

Square

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



20.1729, 17.7418, 59.4880



27.8439, 17.7418, 11.7011



13.9366, 17.7418, 3.1294



9.2317, 17.7418, 29.6797

Rectangle

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



20.1729, 17.7418, 59.4880



27.6326, 17.7418, 31.2974



13.9366, 17.7418, 3.1294



9.3335, 17.7418, 10.8673

Sweetspot

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



20.1736, 17.7424, 59.4885



70.0673, 72.1789, 104.8467



32.6647, 48.0167, 47.3368



14.2482, 14.6031, 22.3177



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.



20.1736, 17.7424, 59.4885



26.9861, 21.1909, 97.2757



20.6634, 13.8731, 58.7158



10.8221, 11.2846, 14.1781



7.6445, 4.3129, 36.3858



0.4560, 0.3457, 1.8976

Inverse Universe

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



30.8444, 20.0428, 17.5725



46.7028, 27.0911, 19.4565



40.4610, 52.7369, 16.0306



11.3236, 11.2582, 12.2385



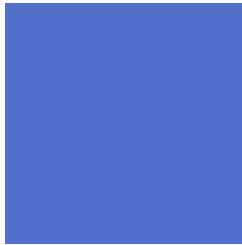
16.0695, 8.2384, 2.8185



0.8601, 0.4374, 0.3092

Previews

White Background



This preview shows how the XYZ color 20.1729, 17.7418, 59.4880 looks on a white background.

Color Contrast Check

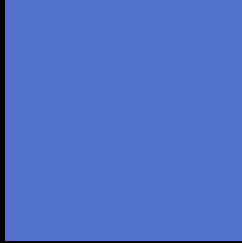
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.1729, 17.7418, 59.4880 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

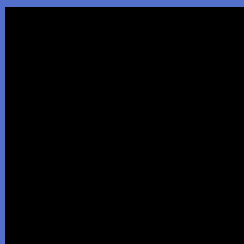
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 20.1729, 17.7418, 59.4880

Background



This preview shows how black text looks on a background with the XYZ color 20.1729, 17.7418, 59.4880.



This preview shows how white text looks on a background with the XYZ color 20.1729, 17.7418,

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

20.1729, 17.7418, 59.4880

Protanopia

19.7486, 17.6739, 60.1281

Deuteranopia

18.3846, 17.8495, 58.9762



Tritanopia

13.5209, 17.7150, 26.3736

Trichromacy



Original Color

20.1729, 17.7418, 59.4880

Protanomaly

19.9851, 17.7958, 60.1392

Deuteranomaly

18.8285, 17.7324, 58.9302

Tritanomaly

15.4425, 17.5490, 36.2916

Monochromacy



Original Color

20.1729, 17.7418, 59.4880

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

16.6511, 16.7416, 29.9576

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.1729, 17.7418, 59.4880 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(82, 112, 204)` looks like.

```
.text, #text, p{  
    color:rgb(82, 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(82, 112, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 112, 204) }
```

Border

The CSS property to change the border of an element to XYZ 20.1729, 17.7418, 59.4880 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(82, 112, 204) }
```


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

```
.border{ border-color:rgb(82, 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(82, 112, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 112, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 112, 204);  
box-shadow:4px 4px 4px 4px rgb(82, 112,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 20.1729, 17.7418, 59.4880 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 112, 204) }
```

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

```
.background{ background-color: rgb(82, 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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