

Converting Colors

XYZ(19.1719, 20.2479, 33.6287)

Have a look what the booklet for
XYZ(19.1719, 20.2479, 33.6287)
contains.

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Color

**XYZ(19.1193, 20.2581,
33.4744)**

Conversions

Conversions Part 1

Format	Color
Hex	697E9A
RGB	105, 126, 154
RGB Percent	41%, 49%, 60%
CMY	0.5882, 0.5059, 0.3961
CMYK	0.32, 0.18, 0.00, 0.40
HSL	214°, 20%, 51%
HSV	214°, 32%, 60%
XYZ	19.1193, 20.2581, 33.4744
YIQ	122.9130, -21.5040, 4.2560

Conversions

Conversions Part 2

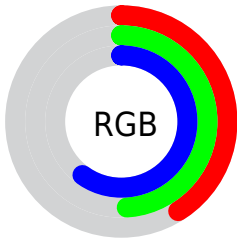
Format	Color
R _Y B	105, 120, 154
Decimal	6913690
CIE Lab	52.13, -0.69, -17.52
CIE LCh	52, 17.535, 267.745
Yxy	20.2581, 0.2624, 0.2781
Android (android.graphics.Color)	4285103770 (0xFF697E9A)
YUV	122.9130, 15.3259, -15.7097
Hunter-Lab	45.0090, -2.9410, -12.5893

Details

The XYZ color **19.1193, 20.2581, 33.4744** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **24.2641, 24.6652, 16.8472**, and the grayscale version is **18.7548, 19.7315, 21.4876**.

A 20% lighter version of the original color is **41.4099, 43.9624, 65.9776**, and **6.7329, 7.1278, 13.8529** is the 20% darker color. If you saturate the color by 10%, you get **16.3956, 17.2568, 33.0390**, and if you desaturate by 10%, it is **22.2709, 23.6279, 33.9591**.

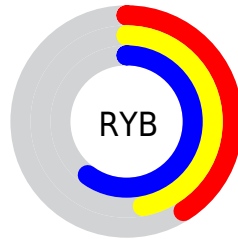
Distribution



Red (41%)

Green (49%)

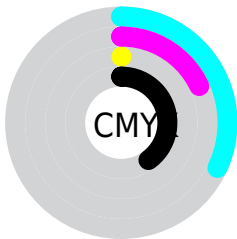
Blue (60%)



Red (41%)

Yellow (47%)

Blue (60%)

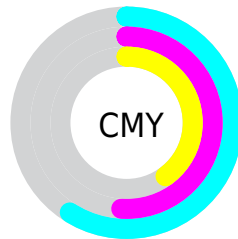


Cyan (32%)

Magenta (18%)

Yellow (0%)

Black (40%)



Cyan (59%)

Magenta (51%)

Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.1193, 20.2581, 33.4744 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 19.1193, 20.2581, 33.4744 by changing the saturation by 10% instead.

■ 19.1193, 20.2581,
33.4744

■ 19.1193, 20.2581,
33.4744

240.0321,
253.3090, 332.4793

■ 11.8610, 12.5828,
22.2160

■ 41.4509, 43.8495,
66.2400

■ 6.7206, 7.1419,
13.8159

■ 57.2550, 60.5344,
88.5843

■ 3.3328, 3.5510,
7.8554

■ 76.6383, 80.9912,
115.4610

■ 1.3321, 1.4257,
3.9161

■ 99.9663, 105.6044,
147.2887

■ 0.2070, 0.2356,
1.5795

127.6043,
134.7584, 184.4858

■ 0.0000, 0.0000,
0.2761

159.9177,

■ 0.0000, 0.0000,

168.8376, 227.4709

0.0000

197.2719,
208.2263, 276.6626

■ 19.1193, 20.2581,
33.4744

■ 19.1193, 20.2581,
33.4744

■ 16.3956, 17.2568,
33.0390

■ 22.2709, 23.6279,
33.9591

■ 14.0776, 14.6074,
32.6498

■ 25.8672, 27.3770,
34.4932

■ 12.1440, 12.2954,
32.3054

■ 29.9265, 31.5189,
35.0787

■ 10.5703, 10.3041,
32.0040

■ 34.4654, 36.0656,
35.7171

■ 9.3293, 8.6152,
31.7434

■ 39.4998, 41.0284,
36.4097

■ 8.3890, 7.2077,
31.5213

■ 45.0446, 46.4183,
37.1578

■ 7.7813, 6.2300,
31.3646

■ 51.1142, 52.2458,
37.9627

■ 57.7224, 58.5210,
38.8256

■ 64.8826, 65.2536,
39.7478

Harmonies

Analogous

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



17.4719, 20.2581, 31.5110



19.1193, 20.2581, 33.4744



20.9056, 20.2581, 32.0066

Triad

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



19.1193, 20.2581, 33.4744



22.4717, 20.2581, 17.7710



16.4825, 20.2581, 17.1943

Complementary

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



19.1193, 20.2581, 33.4744



24.2641, 24.6652, 16.8472

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.



17.6931, 20.2581, 14.4189



19.1193, 20.2581, 33.4744



21.1549, 20.2581, 14.7137

Square

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



19.1193, 20.2581, 33.4744



22.9112, 20.2581, 22.4487



19.3908, 20.2581, 13.5858



16.0096, 20.2581, 21.6712

Rectangle

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



19.1193, 20.2581, 33.4744



21.9223, 20.2581, 29.3896



19.3908, 20.2581, 13.5858



16.8128, 20.2581, 16.0594

Sweetspot

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



19.1199, 20.2589, 33.4749



48.1236, 50.8994, 62.8245



21.5993, 27.8019, 26.3343



10.6842, 11.3064, 14.1896



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



19.1199, 20.2589, 33.4749



31.2155, 32.9450, 60.2501



17.1017, 15.6417, 32.6900



6.0913, 6.4399, 7.8510



6.3737, 5.1441, 25.5647



0.1304, 0.1470, 0.3939

Inverse Universe

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



22.1444, 18.4801, 22.1394



37.6759, 29.5802, 35.9401



26.8189, 30.6854, 17.8745



6.3132, 6.2644, 7.0294



11.6759, 5.9246, 4.8184



0.1923, 0.0957, 0.1653

Previews

White Background



This preview shows how the XYZ color 19.1193, 20.2581, 33.4744 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 19.1193, 20.2581, 33.4744 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

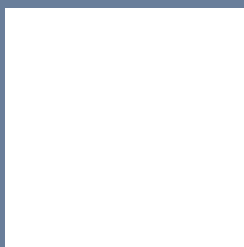
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.1193, 20.2581, 33.4744

Background



This preview shows how black text looks on a background with the XYZ color 19.1193, 20.2581, 33.4744.

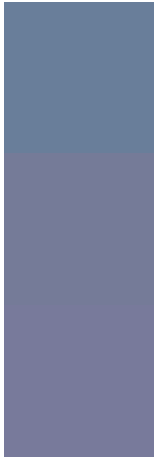


This preview shows how white text looks on a background with the XYZ color 19.1193, 20.2581,

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

19.1193, 20.2581, 33.4744

Protanopia

20.0866, 20.2148, 32.5489

Deuteranopia

20.6217, 20.2787, 33.8376



Tritanopia

17.9899, 20.3894, 27.4135

Trichromacy



Original Color

19.1193, 20.2581, 33.4744

Protanomaly

19.7675, 20.2259, 32.9991

Deuteranomaly

20.0696, 20.1773, 33.8472

Tritanomaly

18.3467, 20.3355, 29.3437

Monochromacy



Original Color

19.1193, 20.2581, 33.4744

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

18.7132, 19.8495, 25.3993

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.1193, 20.2581, 33.4744 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(105, 126, 154)` looks like.

```
.text, #text, p{  
    color:rgb(105, 126, 154)  
}
```

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(105, 126, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 126, 154) }
```

Border

The CSS property to change the border of an element to XYZ 19.1193, 20.2581, 33.4744 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(105, 126, 154) }
```


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

```
.border{ border-color:rgb(105, 126, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 126, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(105, 126, 154); -webkit-box-shadow:4px 4px 4px 4px rgb(105, 126, 154); box-shadow:4px 4px 4px 4px rgb(105, 126, 154) }
```

Background

The CSS property to change the background color of an element to XYZ 19.1193, 20.2581, 33.4744 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 126, 154) }
```

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

```
.background{ background-color: rgb(105,  
126, 154) }
```

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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