

Converting Colors

XYZ(19.1611, 20.9772, 34.6703)

Have a look what the booklet for
XYZ(19.1611, 20.9772, 34.6703)
contains.

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Color

**XYZ(19.1290, 21.0182,
34.5012)**

Conversions

Conversions Part 1

Format	Color
Hex	63829C
RGB	99, 130, 156
RGB Percent	39%, 51%, 61%
CMY	0.6118, 0.4902, 0.3882
CMYK	0.37, 0.17, 0.00, 0.39
HSL	207°, 22%, 50%
HSV	207°, 37%, 61%
XYZ	19.1290, 21.0182, 34.5012
YIQ	123.6950, -26.8220, 1.5140

Conversions

Conversions Part 2

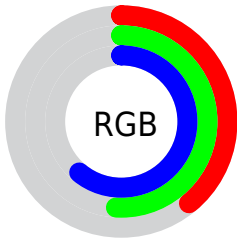
Format	Color
R _Y B	99, 119, 156
Decimal	6521500
CIE Lab	52.97, -4.27, -17.44
CIE LCh	53, 17.952, 256.246
Yxy	21.0182, 0.2563, 0.2816
Android (android.graphics.Color)	4284711580 (0xFF63829C)
YUV	123.6950, 15.9264, -21.6575
Hunter-Lab	45.8456, -5.7510, -12.5269

Details

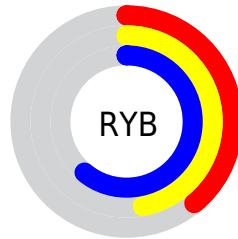
The XYZ color **19.1290, 21.0182, 34.5012** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **23.2965, 22.6365, 14.9465**, and the grayscale version is **19.0124, 20.0026, 21.7828**.

A 20% lighter version of the original color is **41.6403, 45.2455, 68.1666**, and **6.7589, 7.5577, 14.4672** is the 20% darker color. If you saturate the color by 10%, you get **16.6727, 18.3955, 34.1248**, and if you desaturate by 10%, it is **21.9814, 23.9432, 34.9158**.

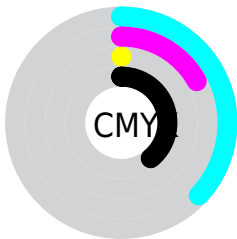
Distribution



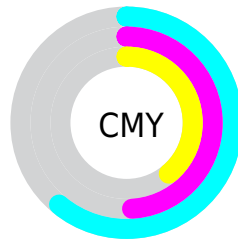
- Red (39%)
- Green (51%)
- Blue (61%)



- Red (39%)
- Yellow (47%)
- Blue (61%)



- Cyan (37%)
- Magenta (17%)
- Yellow (0%)
- Black (39%)



- Cyan (61%)
- Magenta (49%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.1290, 21.0182, 34.5012 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 19.1290, 21.0182, 34.5012 by changing the saturation by 10% instead.

■ 19.1290, 21.0182,
34.5012

■ 19.1290, 21.0182,
34.5012

240.0845,
257.3752, 337.1983

■ 11.8681, 13.1373,
22.9984

■ 41.4672, 45.1178,
67.8551

■ 6.7255, 7.5232,
14.3871

■ 57.2751, 62.1053,
90.5433

■ 3.3358, 3.7914,
8.2485

■ 76.6628, 82.8972,
117.7971

■ 1.3337, 1.5576,
4.1643

■ 99.9955, 107.8778,
150.0350

■ 0.2083, 0.3287,
1.7159

127.6387,
137.4315, 187.6755

■ 0.0000, 0.0000,
0.3716

159.9577,

■ 0.0000, 0.0000,

171.9427, 231.1372

0.0000

197.3178,
211.7958, 280.8386

■ 19.1290, 21.0182,
34.5012

■ 19.1290, 21.0182,
34.5012

■ 16.6727, 18.3955,
34.1248

■ 21.9814, 23.9432,
34.9158

■ 14.5900, 16.0602,
33.7838

■ 25.2466, 27.1796,
35.3684

■ 12.8594, 13.9996,
33.4773

■ 28.9428, 30.7391,
35.8607

■ 11.4558, 12.1988,
33.2037

■ 33.0865, 34.6320,
36.3937

■ 10.3506, 10.6408,
32.9612

■ 37.6932, 38.8681,
36.9685

■ 9.5016, 9.3016,
32.7475

■ 42.7776, 43.4566,
37.5862

■ 9.2370, 8.8728,
32.6786

■ 48.3539, 48.4065,
38.2477

■ 54.4355, 53.7263,
38.9540

■ 61.0353, 59.4243,
39.7060

Harmonies

Analogous

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



17.5774, 21.0182, 31.2179



19.1290, 21.0182, 34.5012



21.0068, 21.0182, 34.3481

Triad

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



19.1290, 21.0182, 34.5012



23.6571, 21.0182, 20.1064



17.4754, 21.0182, 16.4397

Complementary

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



19.1290, 21.0182, 34.5012



23.2965, 22.6365, 14.9465

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.



18.9817, 21.0182, 14.3070



19.1290, 21.0182, 34.5012



22.5860, 21.0182, 16.1854

Square

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



19.1290, 21.0182, 34.5012



23.7027, 21.0182, 25.4391



20.8500, 21.0182, 14.2218



16.6640, 21.0182, 20.5083

Rectangle

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



19.1290, 21.0182, 34.5012



22.1942, 21.0182, 32.3033



20.8500, 21.0182, 14.2218



17.9129, 21.0182, 15.5026

Sweetspot

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



19.1297, 21.0190, 34.5017



49.3261, 52.7300, 64.7049



20.7140, 27.9018, 23.5795



10.6717, 11.4272, 14.2136



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.



19.1297, 21.0190, 34.5017



30.9772, 34.1680, 62.0892



15.8837, 14.5270, 33.4197



6.5686, 7.0030, 8.4122



7.6434, 7.3783, 26.9285



0.1787, 0.2160, 0.4955

Inverse Universe

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



22.2020, 17.6040, 23.3476



37.5623, 27.5726, 38.0197



27.3787, 30.8008, 16.3073



6.7763, 6.7035, 7.6734



12.6562, 6.3671, 7.7067



0.2475, 0.1223, 0.2495

Previews

White Background



This preview shows how the XYZ color 19.1290, 21.0182, 34.5012 looks on a white background.

Color Contrast Check

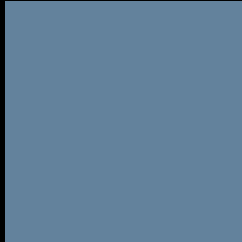
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.1290, 21.0182, 34.5012 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

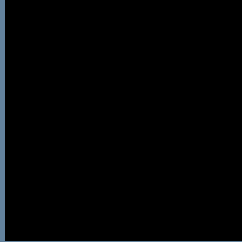
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

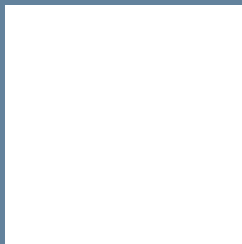
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.1290, 21.0182, 34.5012

Background



This preview shows how black text looks on a background with the XYZ color 19.1290, 21.0182, 34.5012.



This preview shows how white text looks on a background with the XYZ color 19.1290, 21.0182,

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

19.1290, 21.0182, 34.5012

Protanopia

20.7468, 20.9273, 32.6517

Deuteranopia

21.3195, 20.9872, 34.8256



Tritanopia

18.0331, 20.9725, 29.0843

Trichromacy



Original Color

19.1290, 21.0182, 34.5012

Protanomaly

20.0212, 20.9234, 33.1204

Deuteranomaly

20.4861, 20.9334, 34.8591

Tritanomaly

18.3914, 20.9121, 31.0841

Monochromacy



Original Color

19.1290, 21.0182, 34.5012

Achromatopsia

19.1579, 20.1556, 21.9495

Achromatomaly

18.9750, 20.3441, 26.2193

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.1290, 21.0182, 34.5012 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(99, 130, 156) looks like.

```
.text, #text, p{  
    color:rgb(99, 130, 156)  
}
```

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(99, 130, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 130, 156) }
```

Border

The CSS property to change the border of an element to XYZ 19.1290, 21.0182, 34.5012 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(99, 130, 156) }
```


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

```
.border{ border-color:rgb(99, 130, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 130, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 130, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 130, 156);  
box-shadow:4px 4px 4px 4px rgb(99, 130,  
156) }
```

Background

The CSS property to change the background color of an element to XYZ 19.1290, 21.0182, 34.5012 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 130, 156) }
```

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

```
.background{ background-color: rgb(99, 130,  
156) }
```

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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