

Converting Colors

XYZ(19.4636, 21.1180, 34.6552)

Have a look what the booklet for
XYZ(19.4636, 21.1180, 34.6552)
contains.

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Color

**XYZ(19.4629, 21.1903,
34.5168)**

Conversions

Conversions Part 1

Format	Color
Hex	66829C
RGB	102, 130, 156
RGB Percent	40%, 51%, 61%
CMY	0.6000, 0.4902, 0.3882
CMYK	0.35, 0.17, 0.00, 0.39
HSL	209°, 21%, 51%
HSV	209°, 35%, 61%
XYZ	19.4629, 21.1903, 34.5168
YIQ	124.5920, -25.0340, 2.1500

Conversions

Conversions Part 2

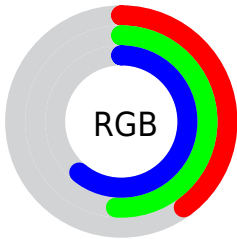
Format	Color
R_{YB}	102, 120, 156
Decimal	6718108
CIE _{Lab}	53.16, -3.38, -17.13
CIE _{LCh}	53, 17.465, 258.833
Yxy	21.1903, 0.2589, 0.2819
Android (android.graphics.Color)	4284908188 (0xFF66829C)
YUV	124.5920, 15.4841, -19.8132
Hunter-Lab	46.0329, -5.0871, -12.2343

Details

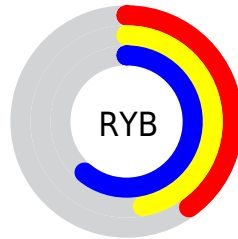
The XYZ color **19.4629, 21.1903, 34.5168** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **23.8283, 23.4661, 15.8447**, and the grayscale version is **19.3123, 20.3180, 22.1263**.

A 20% lighter version of the original color is **42.2089, 45.5387, 68.1932**, and **6.9084, 7.6348, 14.4742** is the 20% darker color. If you saturate the color by 10%, you get **16.8958, 18.4379, 34.1212**, and if you desaturate by 10%, it is **22.4370, 24.2617, 34.9533**.

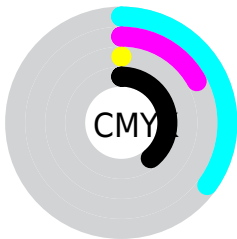
Distribution



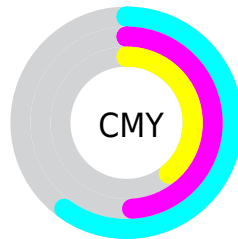
- Red (40%)
- Green (51%)
- Blue (61%)



- Red (40%)
- Yellow (47%)
- Blue (61%)



- Cyan (35%)
- Magenta (17%)
- Yellow (0%)
- Black (39%)



- Cyan (60%)
- Magenta (49%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.4629, 21.1903, 34.5168 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 19.4629, 21.1903, 34.5168 by changing the saturation by 10% instead.

■ 19.4629, 21.1903,
34.5168

■ 19.4629, 21.1903,
34.5168

241.8818,
258.2881, 337.2696

■ 12.1112, 13.2632,
23.0103

■ 42.0257, 45.4040,
67.8796

■ 6.8922, 7.6100,
14.3958

■ 57.9675, 62.4594,
90.5730

■ 3.4405, 3.8464,
8.2546

■ 77.5034, 83.3264,
117.8325

■ 1.3908, 1.5880,
4.1682

■ 100.9988,
108.3893, 150.0765

■ 0.2496, 0.3495,
1.7180

128.8190,
138.0325, 187.7237

■ 0.0000, 0.0000,
0.3731

161.3293,

■ 0.0000, 0.0000,

172.6404, 231.1926

0.0000

198.8951,
212.5975, 280.9017

■ 19.4629, 21.1903,
34.5168

■ 19.4629, 21.1903,
34.5168

■ 16.8958, 18.4379,
34.1212

■ 22.4370, 24.2617,
34.9533

■ 14.7134, 15.9894,
33.7636

■ 25.8349, 27.6617,
35.4304

■ 12.8942, 13.8317,
33.4430

■ 29.6747, 31.4021,
35.9500

■ 11.4137, 11.9498,
33.1578

■ 33.9729, 35.4935,
36.5132

■ 10.2435, 10.3265,
32.9062

■ 38.7451, 39.9462,
37.1211

■ 9.3494, 8.9414,
32.6859

■ 44.0061, 44.7696,
37.7749

■ 8.9351, 8.2689,
32.5780

■ 49.7701, 49.9731,
38.4754

■ 56.0506, 55.5655,
39.2239

■ 62.8607, 61.5554,
40.0211

Harmonies

Analogous

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



17.8992, 21.1903, 31.5772



19.4629, 21.1903, 34.5168



21.3053, 21.1903, 34.0599

Triad

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



19.4629, 21.1903, 34.5168



23.6805, 21.1903, 19.9522



17.5916, 21.1903, 17.0217

Complementary

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



19.4629, 21.1903, 34.5168



23.8283, 23.4661, 15.8447

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.



19.0195, 21.1903, 14.7458



19.4629, 21.1903, 34.5168



22.5620, 21.1903, 16.2511

Square

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



19.4629, 21.1903, 34.5168



23.8172, 21.1903, 25.0923



20.8341, 21.1903, 14.4870



16.8635, 21.1903, 21.1643

Rectangle

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



19.4629, 21.1903, 34.5168



22.4431, 21.1903, 31.9056



20.8341, 21.1903, 14.4870



18.0015, 21.1903, 16.0419

Sweetspot

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



19.4636, 21.1911, 34.5173



49.9020, 53.1635, 64.7582



21.2124, 28.1397, 24.4613



10.7840, 11.5062, 14.2229



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.



19.4636, 21.1911, 34.5173



31.4662, 34.3383, 62.0963



16.4112, 15.0863, 33.4998



6.5549, 6.9756, 8.4076



7.3946, 6.8807, 26.8456



0.1745, 0.2076, 0.4941

Inverse Universe

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



22.4915, 18.1831, 23.4441



38.0062, 28.5050, 38.0305



27.6977, 31.2049, 17.1345



6.7694, 6.7007, 7.6370



12.5307, 6.3168, 7.0454



0.2454, 0.1215, 0.2383

Previews

White Background



This preview shows how the XYZ color 19.4629, 21.1903, 34.5168 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 19.4629, 21.1903, 34.5168 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

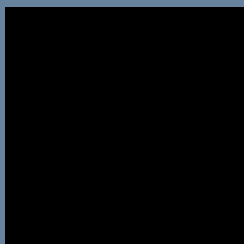
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

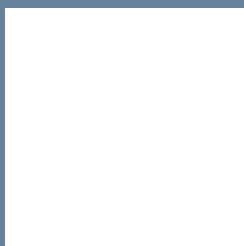
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.4629, 21.1903, 34.5168

Background



This preview shows how black text looks on a background with the XYZ color 19.4629, 21.1903, 34.5168.



This preview shows how white text looks on a background with the XYZ color 19.4629, 21.1903,

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

19.4629, 21.1903, 34.5168

Protanopia

20.9685, 21.0321, 33.0914

Deuteranopia

21.4618, 21.0606, 34.8322



Tritanopia

18.3548, 21.1383, 29.0993

Trichromacy



Original Color

19.4629, 21.1903, 34.5168

Protanomaly

20.3615, 21.0892, 33.5693

Deuteranomaly

20.6169, 21.0009, 34.8652

Tritanomaly

18.7171, 21.0800, 31.0993

Monochromacy



Original Color

19.4629, 21.1903, 34.5168

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

19.3694, 20.7382, 26.2746

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.4629, 21.1903, 34.5168 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(102, 130, 156)` looks like.

```
.text, #text, p{  
    color:rgb(102, 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(102, 130, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 130, 156) }
```

Border

The CSS property to change the border of an element to XYZ 19.4629, 21.1903, 34.5168 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(102, 130, 156) }
```


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

```
.border{ border-color:rgb(102, 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(102, 130, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 130, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 130, 156);  
box-shadow:4px 4px 4px 4px rgb(102, 130,  
156) }
```

Background

The CSS property to change the background color of an element to XYZ 19.4629, 21.1903, 34.5168 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 130, 156) }
```

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

```
.background{ background-color: rgb(102,  
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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