

Converting Colors

XYZ(19.4638, 21.7829, 30.8981)

Have a look what the booklet for
XYZ(19.4638, 21.7829, 30.8981)
contains.

XYZ(19.4797, 21.8849, 30.8013)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(19.4797, 21.8849,
30.8013)**

Conversions

Conversions Part 1

Format	Color
Hex	698593
RGB	105, 133, 147
RGB Percent	41%, 52%, 58%
CMY	0.5882, 0.4784, 0.4235
CMYK	0.29, 0.10, 0.00, 0.42
HSL	200°, 17%, 49%
HSV	200°, 29%, 58%
XYZ	19.4797, 21.8849, 30.8013
YIQ	126.2240, -21.1820, -1.5820

Conversions

Conversions Part 2

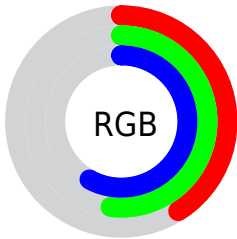
Format	Color
RYB	105, 122, 147
Decimal	6915475
CIELab	53.90, -6.52, -10.77
CIELCh	54, 12.585, 238.800
Yxy	21.8849, 0.2699, 0.3033
Android (android.graphics.Color)	4285105555 (0xFF698593)
YUV	126.2240, 10.2426, -18.6134
Hunter-Lab	46.7813, -7.5400, -6.2903

Details

The XYZ color **19.4797, 21.8849, 30.8013** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **21.1796, 20.4168, 16.1897**, and the grayscale version is **19.8793, 20.9146, 22.7760**.

A 20% lighter version of the original color is **42.0061, 46.5030, 62.0203**, and **6.9125, 8.0259, 12.2512** is the 20% darker color. If you saturate the color by 10%, you get **17.2450, 19.7607, 30.5094**, and if you desaturate by 10%, it is **22.0455, 24.2273, 31.1186**.

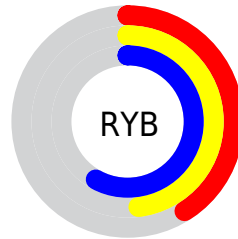
Distribution



Red (41%)

Green (52%)

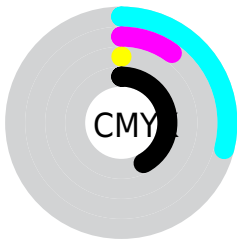
Blue (58%)



Red (41%)

Yellow (48%)

Blue (58%)

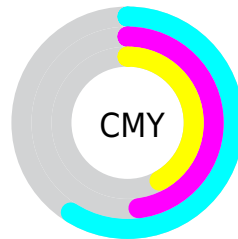


Cyan (29%)

Magenta (10%)

Yellow (0%)

Black (42%)



Cyan (59%)

Magenta (48%)

Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.4797, 21.8849, 30.8013 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 19.4797, 21.8849, 30.8013 by changing the saturation by 10% instead.

■ 19.4797, 21.8849,
30.8013

■ 19.4797, 21.8849,
30.8013

241.9719,
261.9446, 319.9447

■ 12.1235, 13.7723,
20.1904

■ 42.0538, 46.5557,
62.0030

■ 6.9006, 7.9625,
12.3481

■ 58.0023, 63.8827,
83.4309

■ 3.4458, 4.0710,
6.8558

■ 77.5456, 85.0500,
109.3015

■ 1.3937, 1.7133,
3.2950

■ 101.0491,
110.4420, 140.0334

■ 0.2517, 0.4323,
1.2472

128.8782,
140.4431, 176.0452

■ 0.0000, 0.0000,
0.0179

161.3981,

■ 0.0000, 0.0000,

175.4376, 217.7552

0.0000

198.9742,
215.8100, 265.5822

■ 19.4797, 21.8849,
30.8013

■ 19.4797, 21.8849,
30.8013

■ 17.2450, 19.7607,
30.5094

■ 22.0455, 24.2273,
31.1186

■ 15.3237, 17.8433,
30.2406

■ 24.9550, 26.7935,
31.4605

■ 13.6992, 16.1242,
29.9944

■ 28.2228, 29.5920,
31.8285

■ 12.3527, 14.5928,
29.7698

■ 31.8617, 32.6302,
32.2231

■ 11.2628, 13.2377,
29.5657

■ 35.8840, 35.9148,
32.6451

■ 10.4048, 12.0453,
29.3807

■ 40.3015, 39.4526,
33.0951

■ 9.7268, 10.9882,
29.2124

■ 45.1253, 43.2498,
33.5738

■ 9.6347, 10.8430,
29.1892

■ 50.3662, 47.3125,
34.0818

■ 56.0345, 51.6466,
34.6196

Harmonies

Analogous

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



18.5994, 21.8849, 27.6090



19.4797, 21.8849, 30.8013



20.7464, 21.8849, 32.0983

Triad

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



19.4797, 21.8849, 30.8013



23.5172, 21.8849, 23.9857



19.5704, 21.8849, 17.8678

Complementary

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



19.4797, 21.8849, 30.8013



21.1796, 20.4168, 16.1897

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.



20.8556, 21.8849, 17.1178



19.4797, 21.8849, 30.8013



23.1697, 21.8849, 20.4107

Square

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



19.4797, 21.8849, 30.8013



23.1110, 21.8849, 27.9089



22.1806, 21.8849, 17.9972



18.6502, 21.8849, 20.1673

Rectangle

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



19.4797, 21.8849, 30.8013



21.6523, 21.8849, 31.6170



22.1806, 21.8849, 17.9972



19.9722, 21.8849, 17.4379

Sweetspot

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



19.4804, 21.8858, 30.8018



44.3519, 47.6886, 56.3018



19.5478, 25.1863, 21.0649



9.9579, 10.7409, 12.8332



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



19.4804, 21.8858, 30.8018



32.3645, 36.8165, 54.8351



16.9644, 16.8538, 29.9631



5.8029, 6.2398, 7.3683



8.3760, 9.4467, 25.3130



0.1297, 0.1700, 0.3189

Inverse Universe

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



21.3184, 18.0002, 24.5420



36.2542, 28.9744, 41.5026



23.8590, 25.7757, 17.0829



5.9540, 5.8767, 6.8637



12.3549, 6.1470, 10.6157



0.1649, 0.0807, 0.2022

Previews

White Background



This preview shows how the XYZ color 19.4797, 21.8849, 30.8013 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 19.4797, 21.8849, 30.8013 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

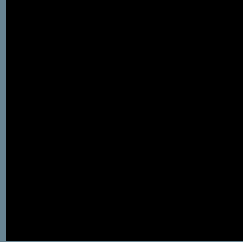
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 19.4797, 21.8849, 30.8013

Background



This preview shows how black text looks on a background with the XYZ color 19.4797, 21.8849, 30.8013.



This preview shows how white text looks on a background with the XYZ color 19.4797, 21.8849,

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

19.4797, 21.8849, 30.8013

Protanopia

21.3574, 21.8876, 29.4846

Deuteranopia

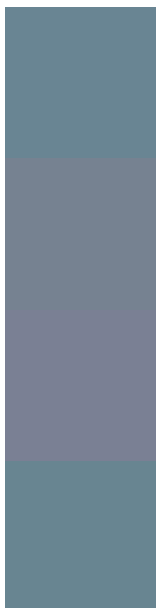
22.1185, 21.6625, 31.4493



Tritanopia

19.1305, 21.7317, 29.5719

Trichromacy



Original Color

19.4797, 21.8849, 30.8013

Protanomaly

20.5647, 21.8611, 29.9238

Deuteranomaly

21.0905, 21.7140, 31.0966

Tritanomaly

19.2073, 21.7624, 29.9763

Monochromacy



Original Color

19.4797, 21.8849, 30.8013

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

19.6245, 21.2733, 25.6261

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.4797, 21.8849, 30.8013 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, 133, 147)` looks like.

```
.text, #text, p{  
    color:rgb(105, 133, 147)  
}
```

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, 133, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 133, 147) }
```

Border

The CSS property to change the border of an element to XYZ 19.4797, 21.8849, 30.8013 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, 133, 147) }
```


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

```
.border{ border-color:rgb(105, 133, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 133, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 133, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 133, 147);  
box-shadow:4px 4px 4px 4px rgb(105, 133,  
147) }
```

Background

The CSS property to change the background color of an element to XYZ 19.4797, 21.8849, 30.8013 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 133, 147) }
```

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

```
.background{ background-color: rgb(105,  
133, 147) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor