

Converting Colors

XYZ(19.4400, 21.9746, 31.7934)

Have a look what the booklet for
XYZ(19.4400, 21.9746, 31.7934)
contains.

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Color

**XYZ(19.4294, 22.0449,
31.6648)**

Conversions

Conversions Part 1

Format	Color
Hex	668695
RGB	102, 134, 149
RGB Percent	40%, 53%, 58%
CMY	0.6000, 0.4745, 0.4157
CMYK	0.32, 0.10, 0.00, 0.42
HSL	199°, 19%, 49%
HSV	199°, 32%, 58%
XYZ	19.4294, 22.0449, 31.6648
YIQ	126.1420, -23.8870, -2.1190

Conversions

Conversions Part 2

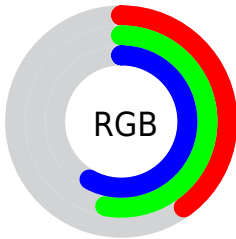
Format	Color
R_{YB}	102, 121, 149
Decimal	6719125
CIE _{Lab}	54.07, -7.51, -11.69
CIE _{LCh}	54, 13.890, 237.290
Yxy	22.0449, 0.2656, 0.3014
Android (android.graphics.Color)	4284909205 (0xFF668695)
YUV	126.1420, 11.2690, -21.1725
Hunter-Lab	46.9520, -8.3002, -7.1192

Details

The XYZ color **19.4294, 22.0449, 31.6648** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **21.1543, 20.0717, 15.3302**, and the grayscale version is **19.8487, 20.8824, 22.7409**.

A 20% lighter version of the original color is **41.8762, 46.7225, 63.3111**, and **6.8431, 7.9794, 12.7348** is the 20% darker color. If you saturate the color by 10%, you get **17.2478, 19.9670, 31.3791**, and if you desaturate by 10%, it is **21.9454, 24.3402, 31.9756**.

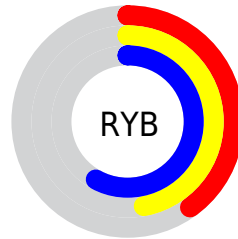
Distribution



Red (40%)

Green (53%)

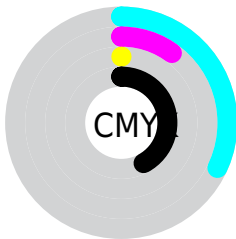
Blue (58%)



Red (40%)

Yellow (47%)

Blue (58%)

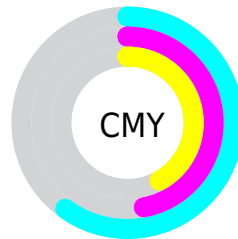


Cyan (32%)

Magenta (10%)

Yellow (0%)

Black (42%)



Cyan (60%)

Magenta (47%)

Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.4294, 22.0449, 31.6648 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 19.4294, 22.0449, 31.6648 by changing the saturation by 10% instead.

■ 19.4294, 22.0449,
31.6648

■ 19.4294, 22.0449,
31.6648

241.7020,
262.7807, 324.0350

■ 12.0868, 13.8899,
20.8429

■ 41.9697, 46.8202,
63.3770

■ 6.8754, 8.0441,
12.8191

■ 57.8982, 64.2093,
85.1044

■ 3.4300, 4.1232,
7.1748

■ 77.4192, 85.4452,
111.3041

■ 1.3850, 1.7427,
3.4916

■ 100.8984,
110.9123, 142.3945

■ 0.2455, 0.4511,
1.3508

128.7008,
140.9950, 178.7943

■ 0.0000, 0.0000,
0.1029

161.1920,

■ 0.0000, 0.0000,

176.0777, 220.9219

0.0000

198.7373,
216.5448, 269.1960

■ 19.4294, 22.0449,
31.6648

■ 19.4294, 22.0449,
31.6648

■ 17.2478, 19.9670,
31.3791

■ 21.9454, 24.3402,
31.9756

■ 15.3820, 18.0946,
31.1160

■ 24.8093, 26.8587,
32.3108

■ 13.8145, 16.4187,
30.8751

■ 28.0361, 29.6093,
32.6716

■ 12.5250, 14.9283,
30.6554

■ 31.6394, 32.5995,
33.0589

■ 11.4908, 13.6110,
30.4557

■ 35.6321, 35.8365,
33.4732

■ 10.6850, 12.4523,
30.2745

■ 40.0264, 39.3271,
33.9154

■ 10.1225, 11.5653,
30.1329

■ 44.8340, 43.0779,
34.3860

■ 50.0660, 47.0950,
34.8856

■ 55.7332, 51.3845,
35.4149

Harmonies

Analogous

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



18.4876, 22.0449, 28.0026



19.4294, 22.0449, 31.6648



20.8167, 22.0449, 33.2589

Triad

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



19.4294, 22.0449, 31.6648



23.9752, 22.0449, 24.3967



19.6554, 22.0449, 17.3718

Complementary

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



19.4294, 22.0449, 31.6648



21.1543, 20.0717, 15.3302

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.



21.0900, 22.0449, 16.6468



19.4294, 22.0449, 31.6648



23.6284, 22.0449, 20.4038

Square

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



19.4294, 22.0449, 31.6648



23.4807, 22.0449, 28.7606



22.5543, 22.0449, 17.6893



18.6136, 22.0449, 19.8016

Rectangle

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



19.4294, 22.0449, 31.6648



21.8240, 22.0449, 32.8074



22.5543, 22.0449, 17.6893



20.1055, 22.0449, 16.9343

Sweetspot

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



19.4301, 22.0458, 31.6653



45.7339, 49.2244, 58.0121



19.4314, 25.6017, 20.7117



9.9712, 10.7676, 12.8376



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.



19.4301, 22.0458, 31.6653



31.9133, 36.7519, 56.3331



16.5475, 16.2807, 30.7045



5.8096, 6.2533, 7.3705



8.5469, 9.7886, 25.3700



0.1313, 0.1731, 0.3194

Inverse Universe

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



21.4494, 17.6141, 24.8246



36.2161, 27.8270, 41.6409



24.2273, 26.2177, 16.3545



5.9574, 5.8780, 6.8816



12.4412, 6.1815, 11.0701



0.1657, 0.0810, 0.2063

Previews

White Background



This preview shows how the XYZ color 19.4294, 22.0449, 31.6648 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 19.4294, 22.0449, 31.6648 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

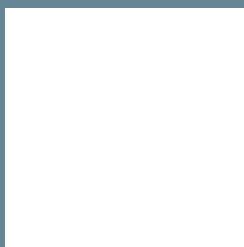
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.4294, 22.0449, 31.6648

Background



This preview shows how black text looks on a background with the XYZ color 19.4294, 22.0449, 31.6648.



This preview shows how white text looks on a background with the XYZ color 19.4294, 22.0449,

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

19.4294, 22.0449, 31.6648

Protanopia

21.4342, 21.9183, 29.8890

Deuteranopia

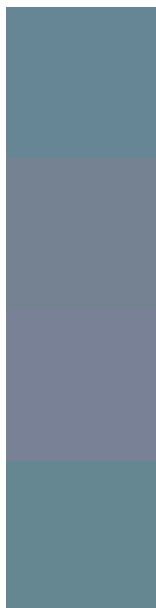
22.4068, 21.9814, 32.3400



Tritanopia

19.1416, 22.1390, 30.0524

Trichromacy



Original Color

19.4294, 22.0449, 31.6648

Protanomaly

20.5071, 21.8225, 30.3255

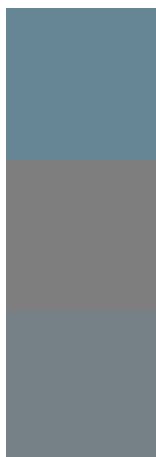
Deuteranomaly

21.1010, 21.8956, 31.9683

Tritanomaly

19.2191, 22.1700, 30.4604

Monochromacy



Original Color

19.4294, 22.0449, 31.6648

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

19.4895, 21.2037, 25.6198

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.4294, 22.0449, 31.6648 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, 134, 149)` looks like.

```
.text, #text, p{  
    color:rgb(102, 134, 149)  
}
```

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, 134, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 134, 149) }
```

Border

The CSS property to change the border of an element to XYZ 19.4294, 22.0449, 31.6648 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, 134, 149) }
```


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

```
.border{ border-color:rgb(102, 134, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 134, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 134, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 134, 149);  
box-shadow:4px 4px 4px 4px rgb(102, 134,  
149) }
```

Background

The CSS property to change the background color of an element to XYZ 19.4294, 22.0449, 31.6648 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 134, 149) }
```

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

```
.background{ background-color: rgb(102,  
134, 149) }
```

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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