

Converting Colors

XYZ(19.5731, 22.7208, 29.2612)

Have a look what the booklet for
XYZ(19.5731, 22.7208, 29.2612)
contains.

XYZ(19.6125, 22.8175, 29.3571)	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(19.6125, 22.8175,
29.3571)**

Conversions

Conversions Part 1

Format	Color
Hex	68898F
RGB	104, 137, 143
RGB Percent	41%, 54%, 56%
CMY	0.5921, 0.4627, 0.4392
CMYK	0.27, 0.04, 0.00, 0.44
HSL	189°, 16%, 48%
HSV	189°, 27%, 56%
XYZ	19.6125, 22.8175, 29.3571
YIQ	127.8170, -21.5940, -5.1300

Conversions

Conversions Part 2

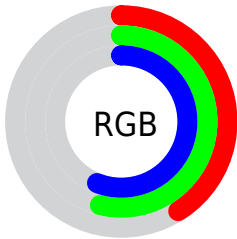
Format	Color
R_{YB}	104, 122, 143
Decimal	6850959
CIE _{Lab}	54.88, -10.07, -6.99
CIE _{LCh}	55, 12.261, 214.768
Yxy	22.8175, 0.2732, 0.3178
Android (android.graphics.Color)	4285041039 (0xFF68898F)
YUV	127.8170, 7.4852, -20.8875
Hunter-Lab	47.7677, -10.3047, -3.0011

Details

The XYZ color **19.6125, 22.8175, 29.3571** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **19.4026, 17.9912, 15.5473**, and the grayscale version is **20.4352, 21.4994, 23.4129**.

A 20% lighter version of the original color is **42.2018, 47.9260, 59.8497**, and **6.9595, 8.4189, 11.6141** is the 20% darker color. If you saturate the color by 10%, you get **17.7820, 21.4150, 29.1832**, and if you desaturate by 10%, it is **21.7322, 24.3797, 29.5473**.

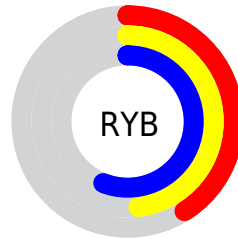
Distribution



Red (41%)

Green (54%)

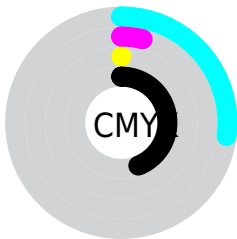
Blue (56%)



Red (41%)

Yellow (48%)

Blue (56%)

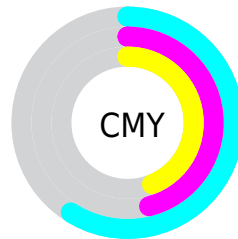


Cyan (27%)

Magenta (4%)

Yellow (0%)

Black (44%)



Cyan (59%)

Magenta (46%)

Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.6125, 22.8175, 29.3571 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 19.6125, 22.8175, 29.3571 by changing the saturation by 10% instead.

■ 19.6125, 22.8175,
29.3571

■ 19.6125, 22.8175,
29.3571

242.6833,
266.7863, 313.0096

■ 12.2203, 14.4588,
19.1032

■ 42.2755, 48.0935,
59.6929

■ 6.9672, 8.4405,
11.5673

■ 58.2770, 65.7796,
80.6119

■ 3.4877, 4.3781,
6.3308

■ 77.8789, 87.3436,
105.9231

■ 1.4166, 1.8872,
2.9753

■ 101.4467,
113.1699, 136.0449

■ 0.2680, 0.5407,
1.0820

129.3457,
143.6429, 171.3959

■ 0.0000, 0.0000,
0.0000

161.9412,

179.1471, 212.3947

199.5986,
220.0667, 259.4597

■ 19.6125, 22.8175,
29.3571

■ 19.6125, 22.8175,
29.3571

■ 17.7820, 21.4150,
29.1832

■ 21.7322, 24.3797,
29.5473

■ 16.2245, 20.1620,
29.0235

■ 24.1524, 26.1058,
29.7529

■ 14.9252, 19.0515,
28.8776

■ 26.8860, 28.0031,
29.9750

■ 13.8671, 18.0746,
28.7448

■ 29.9449, 30.0776,
30.2142

■ 13.0309, 17.2214,
28.6242

■ 33.3401, 32.3352,
30.4711

■ 12.3946, 16.4804,
28.5147

■ 37.0821, 34.7813,
30.7460

■ 11.9181, 15.8309,
28.4145

■ 41.1811, 37.4213,
31.0395

■ 11.7961, 15.6594,
28.3878

■ 45.6467, 40.2600,
31.3521

■ 50.4881, 43.3025,
31.6841

Harmonies

Analogous

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



19.1881, 22.8175, 25.4712



19.6125, 22.8175, 29.3571



20.5933, 22.8175, 32.2409

Triad

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



19.6125, 22.8175, 29.3571



24.1359, 22.8175, 28.1701



21.4710, 22.8175, 18.1129

Complementary

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



19.6125, 22.8175, 29.3571



19.4026, 17.9912, 15.5473

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.



22.8195, 22.8175, 18.6756



19.6125, 22.8175, 29.3571



24.3947, 22.8175, 24.2280

Square

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



19.6125, 22.8175, 29.3571



23.2106, 22.8175, 31.5070



23.9036, 22.8175, 20.8196



20.2323, 22.8175, 19.1942

Rectangle

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



19.6125, 22.8175, 29.3571



21.4502, 22.8175, 33.0594



23.9036, 22.8175, 20.8196



21.9263, 22.8175, 18.1172

Sweetspot

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



19.6132, 22.8184, 29.3576



42.8410, 46.4611, 53.2480



18.3382, 23.7109, 18.3198



9.6802, 10.5527, 12.1989



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



19.6132, 22.8184, 29.3576



32.9588, 39.2170, 52.3706



17.1046, 17.8014, 28.5214



5.4906, 5.9770, 6.8931



10.4421, 13.8701, 25.1039



0.1122, 0.1573, 0.2441

Inverse Universe

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



20.7939, 17.5470, 25.9588



35.4905, 28.2169, 45.0151



21.7233, 22.6325, 16.3208



5.5911, 5.4970, 6.6108



13.0738, 6.3865, 16.5717



0.1312, 0.0636, 0.1912

Previews

White Background



This preview shows how the XYZ color 19.6125, 22.8175, 29.3571 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 19.6125, 22.8175, 29.3571 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

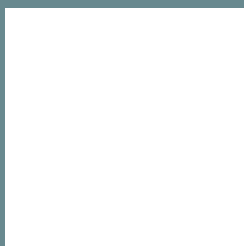
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.6125, 22.8175, 29.3571

Background



This preview shows how black text looks on a background with the XYZ color 19.6125, 22.8175, 29.3571.



This preview shows how white text looks on a background with the XYZ color 19.6125, 22.8175,

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

19.6125, 22.8175, 29.3571

Protanopia

22.0029, 22.6546, 27.6392

Deuteranopia

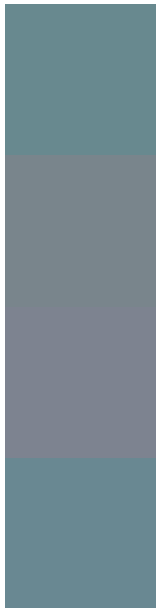
23.0167, 22.5414, 29.9259



Tritanopia

19.8963, 22.7182, 30.9402

Trichromacy



Original Color

19.6125, 22.8175, 29.3571

Protanomaly

21.0063, 22.7335, 28.0918

Deuteranomaly

21.6078, 22.6062, 29.6101

Tritanomaly

19.8182, 22.6869, 30.5286

Monochromacy



Original Color

19.6125, 22.8175, 29.3571

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

19.9577, 21.8480, 25.3555

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.6125, 22.8175, 29.3571 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(104, 137, 143)` looks like.

```
.text, #text, p{  
    color:rgb(104, 137, 143)  
}
```

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(104, 137, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 137, 143) }
```

Border

The CSS property to change the border of an element to XYZ 19.6125, 22.8175, 29.3571 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(104, 137, 143) }
```


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

```
.border{ border-color:rgb(104, 137, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 137, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 137, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 137, 143);  
box-shadow:4px 4px 4px 4px rgb(104, 137,  
143) }
```

Background

The CSS property to change the background color of an element to XYZ 19.6125, 22.8175, 29.3571 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 137, 143) }
```

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

```
.background{ background-color: rgb(104,  
137, 143) }
```

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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