

Converting Colors

XYZ(20.8808, 28.2911, 21.2340)

Have a look what the booklet for
XYZ(20.8808, 28.2911, 21.2340)
contains.

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Color

**XYZ(20.8614, 28.2819,
21.1891)**

Conversions

Conversions Part 1

Format	Color
Hex	679D75
RGB	103, 157, 117
RGB Percent	40%, 62%, 46%
CMY	0.5961, 0.3843, 0.5412
CMYK	0.34, 0.00, 0.25, 0.38
HSL	136°, 22%, 51%
HSV	136°, 34%, 62%
XYZ	20.8614, 28.2819, 21.1891
YIQ	136.2940, -19.3440, -23.8880

Conversions

Conversions Part 2

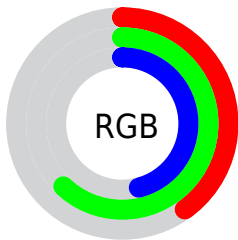
Format	Color
RYB	103, 146, 157
Decimal	6790517
CIELab	60.14, -26.60, 15.38
CIELCh	60, 30.723, 149.958
Yxy	28.2819, 0.2966, 0.4021
Android (android.graphics.Color)	4284980597 (0xFF679D75)
YUV	136.2940, -9.5119, -29.1988
Hunter-Lab	53.1807, -23.0454, 13.6033

Details

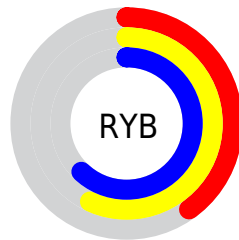
The XYZ color **20.8614, 28.2819, 21.1891** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **23.7138, 18.8524, 28.3767**, and the grayscale version is **23.5524, 24.7789, 26.9843**.

A 20% lighter version of the original color is **44.4152, 57.0195, 46.2010**, and **7.5940, 11.2897, 7.4091** is the 20% darker color. If you saturate the color by 10%, you get **18.5851, 27.1834, 17.7324**, and if you desaturate by 10%, it is **23.5623, 29.5911, 25.1105**.

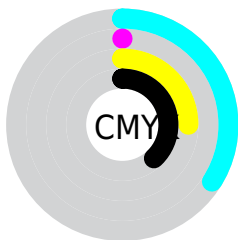
Distribution



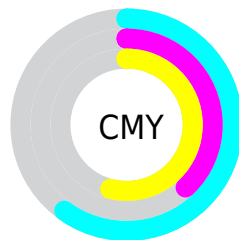
- Red (40%)
- Green (62%)
- Blue (46%)



- Red (40%)
- Yellow (57%)
- Blue (62%)



- Cyan (34%)
- Magenta (0%)
- Yellow (25%)
- Black (38%)



- Cyan (60%)
- Magenta (38%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.8614, 28.2819, 21.1891 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 20.8614, 28.2819, 21.1891 by changing the saturation by 10% instead.

■ 20.8614, 28.2819,
21.1891

■ 20.8614, 28.2819,
21.1891

249.2867,
293.8115, 271.0957

■ 13.1346, 18.5383,
13.0697

■ 44.3498, 56.9342,
46.2869

■ 7.5989, 11.3371,
7.3453

■ 60.8421, 76.6116,
64.1024

■ 3.8890, 6.2941,
3.5973

■ 80.9869, 100.3692,
85.9870

■ 1.6396, 3.0247,
1.4071

■ 105.1496,
128.5911, 112.3593

■ 0.4180, 1.1446,
0.1473

133.6956,
161.6620, 143.6378

■ 0.0000, 0.0158,
0.0000

166.9902,

■ 0.0000, 0.0000,

199.9660, 180.2410

0.0000

205.3988,
243.8877, 222.5874

■ 20.8614, 28.2819,
21.1891

■ 20.8614, 28.2819,
21.1891

■ 18.5851, 27.1834,
17.7324

■ 23.5623, 29.5911,
25.1105

■ 16.7091, 26.2810,
14.7211

■ 26.7061, 31.1176,
29.5108

■ 15.2101, 25.5638,
12.1376


■ 30.3126, 32.8722,
34.4064


■ 14.0612, 25.0185,
9.9624


■ 34.3997, 34.8638,
39.8120


■ 13.2318, 24.6297,
8.1742


■ 38.9844, 37.1008,
45.7417


 12.6853, 24.3789,
6.7499

 44.0829, 39.5913,
52.2093

 12.4526, 24.2731,
6.0997

 49.7106, 42.3430,
59.2279

 55.8823, 45.3631,
66.8100

 62.6121, 48.6589,
74.9681

Harmonies

Analogous

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



23.2848, 28.2819, 15.6041



20.8614, 28.2819, 21.1891



20.0166, 28.2819, 30.7784

Triad

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



20.8614, 28.2819, 21.1891



26.8756, 28.2819, 57.8686



33.9664, 28.2819, 21.2104

Complementary

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



20.8614, 28.2819, 21.1891



23.7138, 18.8524, 28.3767

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.



35.1589, 28.2819, 30.8099



20.8614, 28.2819, 21.1891



30.8298, 28.2819, 53.5802

Square

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



20.8614, 28.2819, 21.1891



23.2761, 28.2819, 53.5574



33.9599, 28.2819, 42.9355



30.8403, 28.2819, 15.6141

Rectangle

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



20.8614, 28.2819, 21.1891



20.3914, 28.2819, 38.7791



33.9599, 28.2819, 42.9355



34.6195, 28.2819, 23.9883

Sweetspot

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



20.8621, 28.2831, 21.1897



50.4376, 56.9960, 56.4239



25.9207, 30.9790, 17.4456



10.9173, 12.4535, 12.1688



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.



20.8621, 28.2831, 21.1897



34.2744, 49.1589, 33.2908



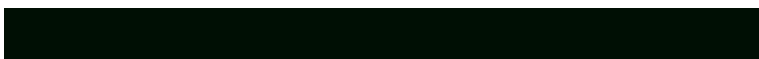
22.6473, 28.9971, 30.5901



6.6178, 7.4279, 7.4221



10.1267, 19.7186, 5.0244



0.1968, 0.3589, 0.1728

Inverse Universe

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



23.7138, 18.8524, 28.3767



40.1379, 29.7475, 48.0536



21.9373, 18.1418, 19.0219



6.8307, 6.7252, 7.9594



13.8831, 6.8578, 14.1672



0.2643, 0.1290, 0.3378

Previews

White Background



This preview shows how the XYZ color 20.8614, 28.2819, 21.1891 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 20.8614, 28.2819, 21.1891 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 20.8614, 28.2819, 21.1891

Background



This preview shows how black text looks on a background with the XYZ color 20.8614, 28.2819, 21.1891.



This preview shows how white text looks on a background with the XYZ color 20.8614, 28.2819,

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

20.8614, 28.2819, 21.1891

Protanopia

26.1689, 27.9642, 19.0573

Deuteranopia

28.6202, 28.0612, 21.9971



Tritanopia

24.3596, 28.2223, 38.8139

Trichromacy



Original Color

20.8614, 28.2819, 21.1891

Protanomaly

23.7198, 27.8380, 19.7459

Deuteranomaly

25.1706, 27.8431, 21.8169

Tritanomaly

22.8862, 28.1090, 31.4135

Monochromacy



Original Color

20.8614, 28.2819, 21.1891

Achromatopsia

23.4014, 24.6201, 26.8113

Achromatomaly

22.2479, 25.8166, 24.5794

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.8614, 28.2819, 21.1891 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(103, 157, 117)` looks like.

```
.text, #text, p{  
    color:rgb(103, 157, 117)  
}
```

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(103, 157, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 157, 117) }
```

Border

The CSS property to change the border of an element to XYZ 20.8614, 28.2819, 21.1891 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(103, 157, 117) }
```


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

```
.border{ border-color:rgb(103, 157, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 157, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 157, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 157, 117);  
box-shadow:4px 4px 4px 4px rgb(103, 157,  
117) }
```

Background

The CSS property to change the background color of an element to XYZ 20.8614, 28.2819, 21.1891 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 157, 117) }
```

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

```
.background{ background-color: rgb(103,  
157, 117) }
```

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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