

Converting Colors

XYZ(28.0171, 44.3128, 20.3095)

Have a look what the booklet for
XYZ(28.0171, 44.3128, 20.3095)
contains.

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Color

**XYZ(28.1188, 44.5194,
20.4757)**

Conversions

Conversions Part 1

Format	Color
Hex	63C769
RGB	99, 199, 105
RGB Percent	39%, 78%, 41%
CMY	0.6118, 0.2196, 0.5882
CMYK	0.50, 0.00, 0.47, 0.22
HSL	124°, 47%, 58%
HSV	124°, 50%, 78%
XYZ	28.1188, 44.5194, 20.4757
YIQ	158.3840, -29.4260, -50.4340

Conversions

Conversions Part 2

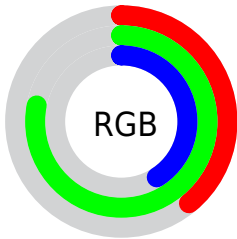
Format	Color
RYB	99, 193, 199
Decimal	6539113
CIELab	72.57, -48.62, 38.13
CIELCh	73, 61.791, 141.896
Yxy	44.5194, 0.3020, 0.4781
Android (android.graphics.Color)	4284729193 (0xFF63C769)
YUV	158.3840, -26.3183, -52.0798
Hunter-Lab	66.7229, -41.5403, 28.5113

Details

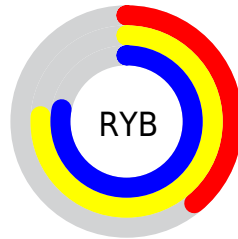
The XYZ color **28.1188, 44.5194, 20.4757** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **37.6420, 24.9168, 53.2787**, and the grayscale version is **32.8003, 34.5084, 37.5797**.

A 20% lighter version of the original color is **55.6419, 81.0565, 45.0606**, and **11.4258, 20.6157, 6.9915** is the 20% darker color. If you saturate the color by 10%, you get **25.3488, 43.1918, 15.8677**, and if you desaturate by 10%, it is **31.6382, 46.2114, 26.2245**.

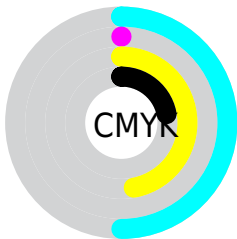
Distribution



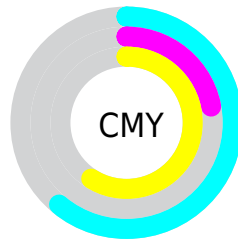
- Red (39%)
- Green (78%)
- Blue (41%)



- Red (39%)
- Yellow (76%)
- Blue (78%)



- Cyan (50%)
- Magenta (0%)
- Yellow (47%)
- Black (22%)





- Cyan (61%)
- Magenta (22%)
- Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.1188, 44.5194, 20.4757 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 28.1188, 44.5194, 20.4757 by changing the saturation by 10% instead.


 28.1188, 44.5194,
20.4757


 28.1188, 44.5194,
20.4757


285.1039,
364.8236, 267.1678


 18.5561, 31.0790,
12.5538


 56.0814, 81.9987,
45.0827


 11.4521, 20.6590,
6.9949


 75.2120, 106.8065,
62.6049

 6.4413, 12.8750,
3.3805


 98.2627, 136.1722,
84.1643

 3.1584, 7.3425,
1.2921

 125.5987,
170.4803, 110.1794

 1.2381, 3.6772,
0.0553

157.5855,
210.1150, 141.0687

 0.1361, 1.4947,
0.0000

194.5884,

 0.0000, 0.2850,

255.4609, 177.2509

0.0000

236.9728,
306.9023, 219.1444

■ 0.0000, 0.0000,
0.0000

■ 28.1188, 44.5194,
20.4757

■ 28.1188, 44.5194,
20.4757

■ 25.3488, 43.1918,
15.8677

■ 31.6382, 46.2114,
26.2245

■ 23.2707, 42.1969,
12.3219

■ 35.9523, 48.2860,
33.1800

■ 21.8243, 41.5066,
9.7543

■ 41.1070, 50.7665,
41.4064

■ 20.9373, 41.0857,
8.0671

■ 47.1435, 53.6732,
50.9627

■ 20.4903, 40.8750,
7.1557

■ 54.1003, 57.0246,
61.9043

■ 62.0139, 60.8384,
74.2831

■ 70.9184, 65.1312,
88.1486

■ 79.6581, 69.3061,
103.4922

■ 79.7143, 69.3286,
103.7881

Harmonies

Analogous

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



35.1055, 44.5194, 11.8100



28.1188, 44.5194, 20.4757



25.0591, 44.5194, 40.6437

Triad

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



28.1188, 44.5194, 20.4757



39.4837, 44.5194, 133.1782



64.3838, 44.5194, 29.6753

Complementary

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



28.1188, 44.5194, 20.4757



37.6420, 24.9168, 53.2787

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.



66.0879, 44.5194, 57.2507



28.1188, 44.5194, 20.4757



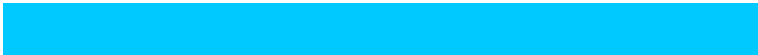
50.4481, 44.5194, 126.1322

Square

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



28.1188, 44.5194, 20.4757



30.8601, 44.5194, 111.0823



60.6279, 44.5194, 94.6045



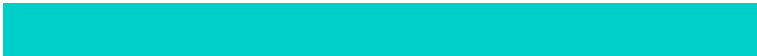
56.3011, 44.5194, 15.3501

Rectangle

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



28.1188, 44.5194, 20.4757



25.2260, 44.5194, 61.6434



60.6279, 44.5194, 94.6045



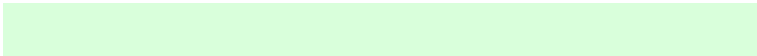
65.7706, 44.5194, 37.3281

Sweetspot

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



28.1199, 44.5213, 20.4767



77.0932, 91.3503, 80.6185



44.9255, 53.2193, 19.7091



16.0248, 19.3234, 16.5011



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



28.1199, 44.5213, 20.4767



44.1188, 75.4965, 27.3387



31.4029, 45.8345, 37.7647



10.5229, 11.8980, 11.4375



13.1864, 26.2869, 4.6602



0.6336, 1.2484, 0.2691

Inverse Universe

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



37.6420, 24.9168, 53.2787



62.5979, 37.4054, 90.9626



33.0503, 23.0801, 29.0994



11.0546, 10.8052, 13.2706



20.9286, 10.1210, 31.1633



0.9995, 0.4826, 1.5206

Previews

White Background



This preview shows how the XYZ color 28.1188, 44.5194, 20.4757 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 28.1188, 44.5194, 20.4757 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 ✓ Pass

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

XYZ 28.1188, 44.5194, 20.4757

Background



This preview shows how black text looks on a background with the XYZ color 28.1188, 44.5194, 20.4757.



This preview shows how white text looks on a background with the XYZ color 28.1188, 44.5194,

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

28.1188, 44.5194, 20.4757

Protanopia

40.3855, 43.9095, 17.6561

Deuteranopia

44.5532, 43.6919, 21.4144



Tritanopia

36.6479, 44.3432, 63.1275

Trichromacy



Original Color

28.1188, 44.5194, 20.4757



Protanomaly

34.1464, 43.0916, 18.5744



Deuteranomaly

36.0948, 42.5173, 20.7723



Tritanomaly

32.6347, 44.0000, 43.3320

Monochromacy



Original Color

28.1188, 44.5194, 20.4757



Achromatopsia

32.4990, 34.1914, 37.2345



Achromatomaly

29.9203, 37.0696, 30.0043

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.1188, 44.5194, 20.4757 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(99, 199, 105)` looks like.

```
.text, #text, p{  
    color:rgb(99, 199, 105)  
}
```

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(99, 199, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 199, 105) }
```

Border

The CSS property to change the border of an element to XYZ 28.1188, 44.5194, 20.4757 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(99, 199, 105) }
```


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

```
.border{ border-color:rgb(99, 199, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 199, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 199, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 199, 105);  
box-shadow:4px 4px 4px 4px rgb(99, 199,  
105) }
```

Background

The CSS property to change the background color of an element to XYZ 28.1188, 44.5194, 20.4757 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 199, 105) }
```

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

```
.background{ background-color: rgb(99, 199,  
105) }
```

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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