

Converting Colors

XYZ(20.3782, 28.7176, 20.7806)

Have a look what the booklet for
XYZ(20.3782, 28.7176, 20.7806)
contains.

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Color

**XYZ(20.3846, 28.8123,
20.7066)**

Conversions

Conversions Part 1

Format	Color
Hex	5FA073
RGB	95, 160, 115
RGB Percent	37%, 63%, 45%
CMY	0.6274, 0.3725, 0.5490
CMYK	0.41, 0.00, 0.28, 0.37
HSL	138°, 25%, 50%
HSV	138°, 41%, 63%
XYZ	20.3846, 28.8123, 20.7066
YIQ	135.4350, -24.2950, -27.7750

Conversions

Conversions Part 2

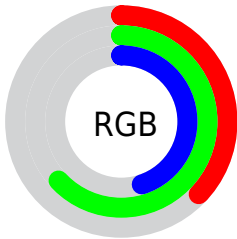
Format	Color
R_{YB}	95, 145, 160
Decimal	6266995
CIE _{Lab}	60.62, -30.95, 17.08
CIE _{LCh}	61, 35.352, 151.103
Yxy	28.8123, 0.2916, 0.4122
Android (android.graphics.Color)	4284457075 (0xFF5FA073)
YUV	135.4350, -10.0745, -35.4615
Hunter-Lab	53.6771, -26.1471, 14.7021

Details

The XYZ color **20.3846, 28.8123, 20.7066** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **23.3239, 17.5520, 26.9705**, and the grayscale version is **23.2342, 24.4442, 26.6197**.

A 20% lighter version of the original color is **43.4882, 57.6868, 45.4018**, and **7.3719, 11.6440, 7.1692** is the 20% darker color. If you saturate the color by 10%, you get **18.2907, 27.8029, 17.4790**, and if you desaturate by 10%, it is **22.8980, 30.0307, 24.3549**.

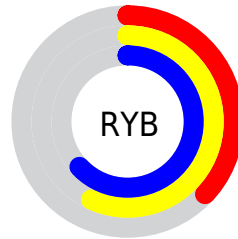
Distribution



Red (37%)

Green (63%)

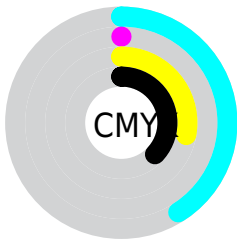
Blue (45%)



Red (37%)

Yellow (57%)

Blue (63%)

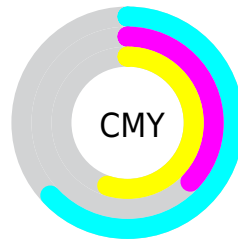


Cyan (41%)

Magenta (0%)

Yellow (28%)

Black (37%)



Cyan (63%)

Magenta (37%)

Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.3846, 28.8123, 20.7066 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 20.3846, 28.8123, 20.7066 by changing the saturation by 10% instead.

■ 20.3846, 28.8123,
20.7066

■ 20.3846, 28.8123,
20.7066

246.7837,
296.3283, 268.4447

■ 12.7848, 18.9389,
12.7206

■ 43.5601, 57.7787,
45.4732

■ 7.3565, 11.6261,
7.1079

■ 59.8665, 77.6405,
63.0907

■ 3.7343, 6.4896,
3.4502

■ 79.8058, 101.6006,
84.7559

■ 1.5530, 3.1450,
1.3289

■ 103.7435,
130.0433, 110.8873

■ 0.3615, 1.2079,
0.0853

132.0447,
163.3530, 141.9033

■ 0.0000, 0.0682,
0.0000

165.0749,

■ 0.0000, 0.0000,

201.9141, 178.2225

0.0000

203.1995,
246.1111, 220.2635

■ 20.3846, 28.8123,
20.7066

■ 20.3846, 28.8123,
20.7066

■ 18.2907, 27.8029,
17.4790

■ 22.8980, 30.0307,
24.3549

■ 16.5903, 26.9871,
14.6551

■ 25.8505, 31.4655,
28.4365

■ 15.2579, 26.3527,
12.2193


■ 29.2631, 33.1280,
32.9658


■ 14.2639, 25.8850,
10.1542


■ 33.1548, 35.0278,
37.9558

■ 13.5738, 25.5665,
8.4413


■ 37.5435, 37.1739,
43.4191

 13.1306, 25.3664,
7.1356

 42.4462, 39.5747,
49.3679

 47.8789, 42.2384,
55.8137

 53.8572, 45.1726,
62.7679

 60.3959, 48.3848,
70.2413

Harmonies

Analogous

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



23.0886, 28.8123, 14.3698



20.3846, 28.8123, 20.7066



19.4997, 28.8123, 31.8593

Triad

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



20.3846, 28.8123, 20.7066



27.5549, 28.8123, 63.8936



35.6269, 28.8123, 20.0762

Complementary

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



20.3846, 28.8123, 20.7066



23.3239, 17.5520, 26.9705

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.



37.1530, 28.8123, 30.8891



20.3846, 28.8123, 20.7066



32.1843, 28.8123, 58.2574

Square

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



20.3846, 28.8123, 20.7066



23.3514, 28.8123, 58.9933



35.8291, 28.8123, 45.1849



31.8587, 28.8123, 14.0835

Rectangle

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



20.3846, 28.8123, 20.7066



19.9725, 28.8123, 41.3424



35.8291, 28.8123, 45.1849



36.4368, 28.8123, 23.1487

Sweetspot

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



20.3854, 28.8135, 20.7072



52.0785, 59.6351, 58.4775



25.5370, 31.5882, 15.5779



11.2530, 12.9967, 12.6035



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



20.3854, 28.8135, 20.7072



33.4449, 50.5934, 32.1109



22.5574, 29.6823, 32.1452



6.6306, 7.4330, 7.4894



10.2459, 19.7663, 5.6521



0.2009, 0.3605, 0.1942

Inverse Universe

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



23.3239, 17.5520, 26.9705



39.5363, 27.2079, 45.0636



21.2970, 16.7412, 16.2966



6.8172, 6.7198, 7.8884



13.5386, 6.7200, 12.3533



0.2600, 0.1273, 0.3152

Previews

White Background



This preview shows how the XYZ color 20.3846, 28.8123, 20.7066 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 20.3846, 28.8123, 20.7066 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 20.3846, 28.8123, 20.7066

Background



This preview shows how black text looks on a background with the XYZ color 20.3846, 28.8123, 20.7066.



This preview shows how white text looks on a background with the XYZ color 20.3846, 28.8123,

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

20.3846, 28.8123, 20.7066

Protanopia

26.5425, 28.4014, 18.2704

Deuteranopia

29.0700, 28.5231, 21.4261



Tritanopia

24.2180, 28.5998, 40.3203

Trichromacy



Original Color

20.3846, 28.8123, 20.7066

Protanomaly

23.6071, 28.0287, 19.2048

Deuteranomaly

24.8591, 27.9262, 21.2196

Tritanomaly

22.6344, 28.7083, 31.9521

Monochromacy



Original Color

20.3846, 28.8123, 20.7066

Achromatopsia

23.0288, 24.2281, 26.3844

Achromatomaly

21.6153, 25.4981, 24.2045

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.3846, 28.8123, 20.7066 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(95, 160, 115)` looks like.

```
.text, #text, p{  
    color:rgb(95, 160, 115)  
}
```

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(95, 160, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 160, 115) }
```

Border

The CSS property to change the border of an element to XYZ 20.3846, 28.8123, 20.7066 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(95, 160, 115) }
```


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

```
.border{ border-color:rgb(95, 160, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(95, 160, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 160, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 160, 115);  
box-shadow:4px 4px 4px 4px rgb(95, 160,  
115) }
```

Background

The CSS property to change the background color of an element to XYZ 20.3846, 28.8123, 20.7066 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 160, 115) }
```

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

```
.background{ background-color: rgb(95, 160,  
115) }
```

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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