

Converting Colors

XYZ(20.9546, 31.4264, 16.1645)

Have a look what the booklet for
XYZ(20.9546, 31.4264, 16.1645)
contains.

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Color

**XYZ(20.8796, 31.3012,
16.2505)**

Conversions

Conversions Part 1

Format	Color
Hex	5FA861
RGB	95, 168, 97
RGB Percent	37%, 66%, 38%
CMY	0.6274, 0.3412, 0.6196
CMYK	0.43, 0.00, 0.42, 0.34
HSL	122°, 30%, 52%
HSV	122°, 43%, 66%
XYZ	20.8796, 31.3012, 16.2505
YIQ	138.0790, -20.7170, -37.5570

Conversions

Conversions Part 2

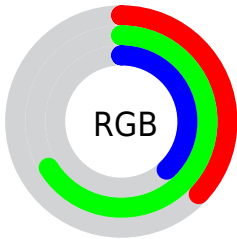
Format	Color
RYB	95, 166, 168
Decimal	6269025
CIELab	62.76, -37.79, 29.71
CIElCh	63, 48.072, 141.832
Yxy	31.3012, 0.3051, 0.4574
Android (android.graphics.Color)	4284459105 (0xFF5FA861)
YUV	138.0790, -20.2519, -37.7803
Hunter-Lab	55.9475, -31.2919, 21.9419

Details

The XYZ color **20.8796, 31.3012, 16.2505** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **27.1246, 19.2630, 38.3659**, and the grayscale version is **24.2688, 25.5327, 27.8051**.

A 20% lighter version of the original color is **44.4749, 61.8708, 38.0320**, and **7.5996, 12.9546, 5.0057** is the 20% darker color. If you saturate the color by 10%, you get **18.6341, 30.2237, 12.5699**, and if you desaturate by 10%, it is **23.6600, 32.6382, 20.7766**.

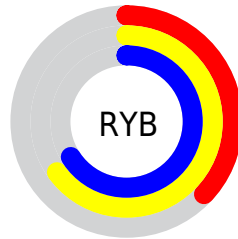
Distribution



Red (37%)

Green (66%)

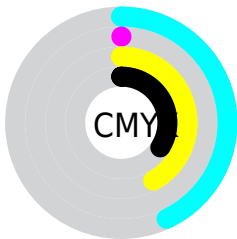
Blue (38%)



Red (37%)

Yellow (65%)

Blue (66%)

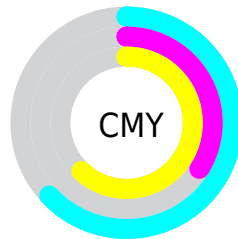


Cyan (43%)

Magenta (0%)

Yellow (42%)

Black (34%)



Cyan (63%)

Magenta (34%)

Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.8796, 31.3012, 16.2505 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 20.8796, 31.3012, 16.2505 by changing the saturation by 10% instead.

■ 20.8796, 31.3012,
16.2505

■ 20.8796, 31.3012,
16.2505

249.3818,
307.9235, 242.7113

■ 13.1480, 20.8283,
9.5453

■ 44.3799, 61.7140,
37.8054

■ 7.6082, 12.9986,
4.9969

■ 60.8792, 82.4226,
53.4921

■ 3.8950, 7.4276,
2.1867

■ 81.0318, 107.3120,
73.0098

■ 1.6429, 3.7309,
0.6667

■ 105.2031,
136.7665, 96.7770

■ 0.4201, 1.5242,
0.0000

133.7584,
171.1705, 125.2122

■ 0.0000, 0.3057,
0.0000

167.0630,

■ 0.0000, 0.0000,

210.9085, 158.7340

0.0000

205.4824,
256.3647, 197.7608

■ 20.8796, 31.3012,
16.2505

■ 20.8796, 31.3012,
16.2505

■ 18.6341, 30.2237,
12.5699

■ 23.6600, 32.6382,
20.7766

■ 16.8870, 29.3852,
9.6806

■ 27.0040, 34.2456,
26.1940

■ 15.6010, 28.7686,
7.5250


■ 30.9412, 36.1388,
32.5475


■ 14.7325, 28.3529,
6.0373

■ 35.4984, 38.3305,
39.8785

■ 14.2296, 28.1130,
5.1397


■ 40.7007, 40.8330,
48.2258

 14.0285, 28.0166,
4.8006

 46.5718, 43.6578,
57.6261

 53.1344, 46.8156,
68.1142

 60.4100, 50.3168,
79.7235

 68.4190, 54.1715,
92.4859

Harmonies

Analogous

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



25.2939, 31.3012, 10.3141



20.8796, 31.3012, 16.2505



18.9122, 31.3012, 29.1936

Triad

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



20.8796, 31.3012, 16.2505



27.9912, 31.3012, 83.9315



43.0925, 31.3012, 22.3153

Complementary

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



20.8796, 31.3012, 16.2505



27.1246, 19.2630, 38.3659

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.



44.0965, 31.3012, 39.4870



20.8796, 31.3012, 16.2505



34.7028, 31.3012, 79.9320

Square

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



20.8796, 31.3012, 16.2505



22.6042, 31.3012, 71.1939



40.8345, 31.3012, 61.6994



38.2643, 31.3012, 12.8100

Rectangle

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



20.8796, 31.3012, 16.2505



19.0161, 31.3012, 42.0553



40.8345, 31.3012, 61.6994



43.9144, 31.3012, 27.1856

Sweetspot

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



20.8804, 31.3025, 16.2512



56.3103, 65.6558, 59.3261



31.9601, 37.0250, 16.2887



11.9200, 14.1403, 12.3613



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



20.8804, 31.3025, 16.2512



33.9942, 54.9300, 23.1073



22.9369, 32.1251, 27.0804



7.4448, 8.4110, 8.0623



10.5964, 21.1573, 3.6417



0.2603, 0.5158, 0.1019

Inverse Universe

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



27.1246, 19.2630, 38.3659



46.7995, 30.2305, 68.4523



24.2899, 18.1291, 23.4387



7.8329, 7.6630, 9.4372



17.2169, 8.2955, 27.0176



0.4216, 0.2029, 0.6714

Previews

White Background



This preview shows how the XYZ color 20.8796, 31.3012, 16.2505 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 20.8796, 31.3012, 16.2505 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

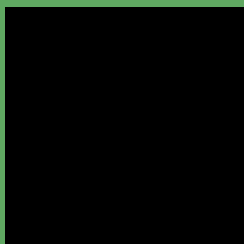
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 20.8796, 31.3012, 16.2505

Background



This preview shows how black text looks on a background with the XYZ color 20.8796, 31.3012, 16.2505.



This preview shows how white text looks on a background with the XYZ color 20.8796, 31.3012,

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

20.8796, 31.3012, 16.2505

Protanopia

28.4720, 30.8879, 14.3589

Deuteranopia

31.4775, 30.7495, 17.1082



Tritanopia

26.2749, 31.0898, 43.6458

Trichromacy



Original Color

20.8796, 31.3012, 16.2505



Protanomaly

24.8480, 30.4797, 14.9295



Deuteranomaly

26.3179, 30.2061, 16.7552



Tritanomaly

23.8569, 30.8883, 31.4927

Monochromacy



Original Color

20.8796, 31.3012, 16.2505



Achromatopsia

24.1572, 25.4152, 27.6772



Achromatomaly

22.3486, 27.0625, 22.7846

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.8796, 31.3012, 16.2505 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, 168, 97)` looks like.

```
.text, #text, p{  
    color:rgb(95, 168, 97)  
}
```

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, 168, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 168, 97) }
```

Border

The CSS property to change the border of an element to XYZ 20.8796, 31.3012, 16.2505 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, 168, 97) }
```


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

```
.border{ border-color:rgb(95, 168, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(95, 168, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 168, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 168, 97);  
box-shadow:4px 4px 4px 4px rgb(95, 168,  
97) }
```

Background

The CSS property to change the background color of an element to XYZ 20.8796, 31.3012, 16.2505 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 168, 97) }
```

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

```
.background{ background-color: rgb(95, 168,  
97) }
```

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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