

Converting Colors

XYZ(20.7446, 31.2598, 16.2191)

Have a look what the booklet for
XYZ(20.7446, 31.2598, 16.2191)
contains.

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Color

**XYZ(20.7764, 31.2480,
16.2457)**

Conversions

Conversions Part 1

Format	Color
Hex	5EA861
RGB	94, 168, 97
RGB Percent	37%, 66%, 38%
CMY	0.6314, 0.3412, 0.6196
CMYK	0.44, 0.00, 0.42, 0.34
HSL	122°, 30%, 51%
HSV	122°, 44%, 66%
XYZ	20.7764, 31.2480, 16.2457
YIQ	137.7800, -21.3130, -37.7690

Conversions

Conversions Part 2

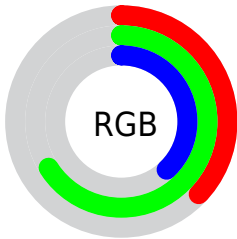
Format	Color
RYB	94, 165, 168
Decimal	6203489
CIELab	62.72, -38.10, 29.64
CIElCh	63, 48.272, 142.118
Yxy	31.2480, 0.3043, 0.4577
Android (android.graphics.Color)	4284393569 (0xFF5EA861)
YUV	137.7800, -20.1045, -38.3951
Hunter-Lab	55.8999, -31.4815, 21.8990

Details

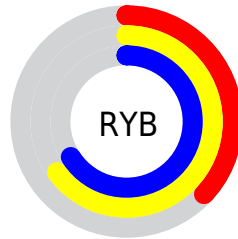
The XYZ color **20.7764, 31.2480, 16.2457** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **26.9437, 19.0475, 37.8548**, and the grayscale version is **24.1543, 25.4122, 27.6739**.

A 20% lighter version of the original color is **44.2932, 61.7771, 38.0235**, and **7.5218, 12.9146, 5.0020** is the 20% darker color. If you saturate the color by 10%, you get **18.5608, 30.1849, 12.6096**, and if you desaturate by 10%, it is **23.5213, 32.5681, 20.7051**.

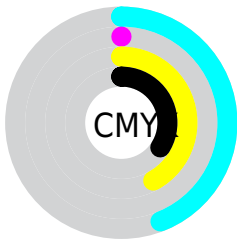
Distribution



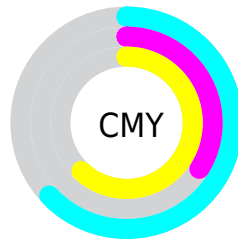
- Red (37%)
- Green (66%)
- Blue (38%)



- Red (37%)
- Yellow (65%)
- Blue (66%)



- Cyan (44%)
- Magenta (0%)
- Yellow (42%)
- Black (34%)



- Cyan (63%)
- Magenta (34%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.7764, 31.2480, 16.2457 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 20.7764, 31.2480, 16.2457 by changing the saturation by 10% instead.

■ 20.7764, 31.2480,
16.2457

■ 20.7764, 31.2480,
16.2457

248.8421,
307.6792, 242.6822

■ 13.0722, 20.7878,
9.5419

■ 44.2092, 61.6303,
37.7969

■ 7.5556, 12.9690,
4.9947

■ 60.6685, 82.3212,
53.4815

■ 3.8613, 7.4072,
2.1855

■ 80.7768, 107.1911,
72.9968

■ 1.6240, 3.7180,
0.6660

■ 104.8996,
136.6243, 96.7612

■ 0.4080, 1.5171,
0.0000

133.4022,
171.0054, 125.1935

■ 0.0000, 0.3007,
0.0000

166.6498,

■ 0.0000, 0.0000,

210.7186, 158.7120

0.0000

205.0080,
256.1484, 197.7354

■ 20.7764, 31.2480,
16.2457

■ 20.7764, 31.2480,
16.2457

■ 18.5608, 30.1849,
12.6096

■ 23.5213, 32.5681,
20.7051

■ 16.8383, 29.3586,
9.7446

■ 26.8239, 34.1562,
26.0317

■ 15.5718, 28.7519,
7.5956


■ 30.7137, 36.0275,
32.2686

■ 14.7179, 28.3439,
6.0995


■ 35.2172, 38.1947,
39.4558


■ 14.2250, 28.1096,
5.1823


■ 40.3594, 40.6699,
47.6306

 14.0406, 28.0214,
4.8643

 46.1637, 43.4646,
56.8283

 52.6527, 46.5895,
67.0827

 59.8475, 50.0550,
78.4257

 67.7686, 53.8708,
90.8883

Harmonies

Analogous

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



25.1784, 31.2480, 10.2558



20.7764, 31.2480, 16.2457



18.8300, 31.2480, 29.2843

Triad

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



20.7764, 31.2480, 16.2457



27.9957, 31.2480, 84.1435



43.0598, 31.2480, 22.1032

Complementary

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



20.7764, 31.2480, 16.2457



26.9437, 19.0475, 37.8548

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.



44.1098, 31.2480, 39.2488



20.7764, 31.2480, 16.2457



34.7335, 31.2480, 79.9561

Square

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



20.7764, 31.2480, 16.2457



22.5767, 31.2480, 71.4754



40.8712, 31.2480, 61.5390



38.1839, 31.2480, 12.6606

Rectangle

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



20.7764, 31.2480, 16.2457



18.9503, 31.2480, 42.2286



40.8712, 31.2480, 61.5390



43.8983, 31.2480, 26.9571

Sweetspot

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



20.7772, 31.2493, 16.2464



56.3518, 65.6724, 59.5445



31.6526, 36.8716, 16.0386



11.9302, 14.1443, 12.4149



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.



20.7772, 31.2493, 16.2464



33.7068, 54.7856, 22.9255



22.8855, 32.0927, 27.3488



7.4486, 8.4125, 8.0826



10.6071, 21.1616, 3.6978



0.2618, 0.5164, 0.1096

Inverse Universe

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



26.9437, 19.0475, 37.8548



46.3737, 29.7063, 67.3015



24.0836, 17.9034, 22.7937



7.8286, 7.6613, 9.4144



17.0698, 8.2366, 26.2428



0.4192, 0.2020, 0.6589

Previews

White Background



This preview shows how the XYZ color 20.7764, 31.2480, 16.2457 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 20.7764, 31.2480, 16.2457 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

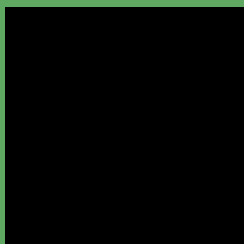
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 20.7764, 31.2480, 16.2457

Background



This preview shows how black text looks on a background with the XYZ color 20.7764, 31.2480, 16.2457.



This preview shows how white text looks on a background with the XYZ color 20.7764, 31.2480,

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

20.7764, 31.2480, 16.2457

Protanopia

28.4291, 30.8707, 14.1331

Deuteranopia

31.2438, 30.6291, 17.0972



Tritanopia

26.2749, 31.0898, 43.6458

Trichromacy



Original Color

20.7764, 31.2480, 16.2457

Protanomaly

24.6802, 30.3932, 14.9216

Deuteranomaly

26.1346, 30.1116, 16.7466

Tritanomaly

23.7401, 30.8281, 31.4872

Monochromacy



Original Color

20.7764, 31.2480, 16.2457

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 20.7764, 31.2480, 16.2457 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(94, 168, 97)` looks like.

```
.text, #text, p{  
    color:rgb(94, 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(94, 168, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 168, 97) }
```

Border

The CSS property to change the border of an element to XYZ 20.7764, 31.2480, 16.2457 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(94, 168, 97) }
```


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

```
.border{ border-color:rgb(94, 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(94, 168, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 168, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 168, 97);  
box-shadow:4px 4px 4px 4px rgb(94, 168,  
97) }
```

Background

The CSS property to change the background color of an element to XYZ 20.7764, 31.2480, 16.2457 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 168, 97) }
```

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

```
.background{ background-color: rgb(94, 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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