

Converting Colors

XYZ(20.0864, 31.5869, 10.2058)

Have a look what the booklet for
XYZ(20.0864, 31.5869, 10.2058)
contains.

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Color

**XYZ(20.0774, 31.5757,
10.1908)**

Conversions

Conversions Part 1

Format	Color
Hex	5FAA42
RGB	95, 170, 66
RGB Percent	37%, 67%, 26%
CMY	0.6275, 0.3333, 0.7412
CMYK	0.44, 0.00, 0.61, 0.33
HSL	103°, 44%, 46%
HSV	103°, 61%, 67%
XYZ	20.0774, 31.5757, 10.1908
YIQ	135.7190, -11.3160, -48.2440

Conversions

Conversions Part 2

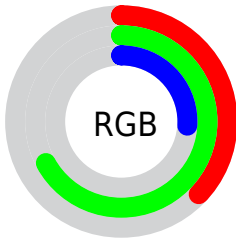
Format	Color
RYB	66, 170, 141
Decimal	6269506
CIELab	62.99, -42.70, 45.39
CIELCh	63, 62.314, 133.253
Yxy	31.5757, 0.3246, 0.5106
Android (android.graphics.Color)	4284459586 (0xFF5FAA42)
YUV	135.7190, -34.3715, -35.7106
Hunter-Lab	56.1923, -34.5587, 28.5820

Details

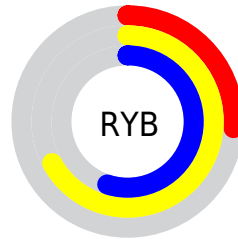
The XYZ color **20.0774, 31.5757, 10.1908** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **20.1901, 12.4625, 39.3733**, and the grayscale version is **23.4248, 24.6447, 26.8381**.

A 20% lighter version of the original color is **43.0440, 62.1847, 26.8737**, and **7.2154, 13.1566, 2.4463** is the 20% darker color. If you saturate the color by 10%, you get **18.4742, 30.7997, 7.8773**, and if you desaturate by 10%, it is **22.0316, 32.5173, 13.2996**.

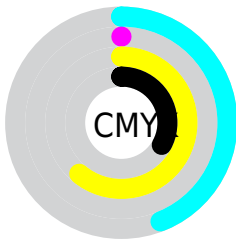
Distribution



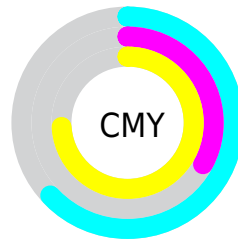
- Red (37%)
- Green (67%)
- Blue (26%)



- Red (26%)
- Yellow (67%)
- Blue (55%)



- Cyan (44%)
- Magenta (0%)
- Yellow (61%)
- Black (33%)



- Cyan (63%)
- Magenta (33%)
- Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.0774, 31.5757, 10.1908 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 20.0774, 31.5757, 10.1908 by changing the saturation by 10% instead.

■ 20.0774, 31.5757,
10.1908

■ 20.0774, 31.5757,
10.1908

245.1594,
309.1819, 202.5625

■ 12.5599, 21.0376,
5.4184

■ 43.0499, 62.1453,
26.7672

■ 7.2011, 13.1515,
2.4318

■ 59.2356, 82.9457,
39.4082

■ 3.6356, 7.5330,
0.8037

■ 79.0413, 107.9355,
55.5092

■ 1.4981, 3.7976,
0.0000

■ 102.8326,
137.4994, 75.4887

■ 0.3246, 1.5610,
0.0000

■ 130.9747,
172.0215, 99.7653

■ 0.0000, 0.3311,
0.0000

163.8329,

■ 0.0000, 0.0000,

211.8864, 128.7574

0.0000

201.7727,
257.4784, 162.8836

■ 20.0774, 31.5757,
10.1908

■ 20.0774, 31.5757,
10.1908

■ 18.4742, 30.7997,
7.8773

■ 22.0316, 32.5173,
13.2996

■ 17.1966, 30.1751,
6.2847

■ 24.3552, 33.6298,
17.2651

■ 16.2193, 29.6914,
5.3282

■ 27.0681, 34.9231,
22.1451

■ 15.5662, 29.3646,
4.8475

■ 30.1876, 36.4052,
27.9918

■ 33.7305, 38.0834,
34.8533

■ 37.7122, 39.9648,
42.7747

■ 42.1475, 42.0561,
51.7983

■ 47.0503, 44.3637,
61.9641

■ 52.4341, 46.8936,
73.3100

Harmonies

Analogous

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



26.3904, 31.5757, 5.8660



20.0774, 31.5757, 10.1908



16.8364, 31.5757, 22.4964

Triad

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



20.0774, 31.5757, 10.1908



25.5097, 31.5757, 102.2626



49.0780, 31.5757, 24.6568

Complementary

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



20.0774, 31.5757, 10.1908



20.1901, 12.4625, 39.3733

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.



48.7179, 31.5757, 49.8503



20.0774, 31.5757, 10.1908



33.9501, 31.5757, 103.8106

Square

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



20.0774, 31.5757, 10.1908



19.5389, 31.5757, 77.9155



42.7781, 31.5757, 81.4788



43.6842, 31.5757, 11.1223

Rectangle

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



20.0774, 31.5757, 10.1908



16.3832, 31.5757, 37.1287



42.7781, 31.5757, 81.4788



49.6525, 31.5757, 31.7715

Sweetspot

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



20.0782, 31.5770, 10.1915



56.5217, 66.8810, 54.1413



27.0185, 27.8532, 9.1069



12.2148, 14.7299, 11.3271



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



20.0782, 31.5770, 10.1915



32.7264, 55.4946, 13.2477



18.4061, 30.6226, 14.2901



7.6258, 8.5052, 8.0290



11.4981, 21.6247, 3.5680



0.3285, 0.5512, 0.0891

Inverse Universe

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



20.1901, 12.4625, 39.3733



32.8376, 17.7985, 70.7066



23.8302, 14.5646, 29.3528



7.6350, 7.5599, 9.4751



11.3604, 5.2399, 28.3881



0.3222, 0.1511, 0.6928

Previews

White Background



This preview shows how the XYZ color 20.0774, 31.5757, 10.1908 looks on a white background.

Color Contrast Check

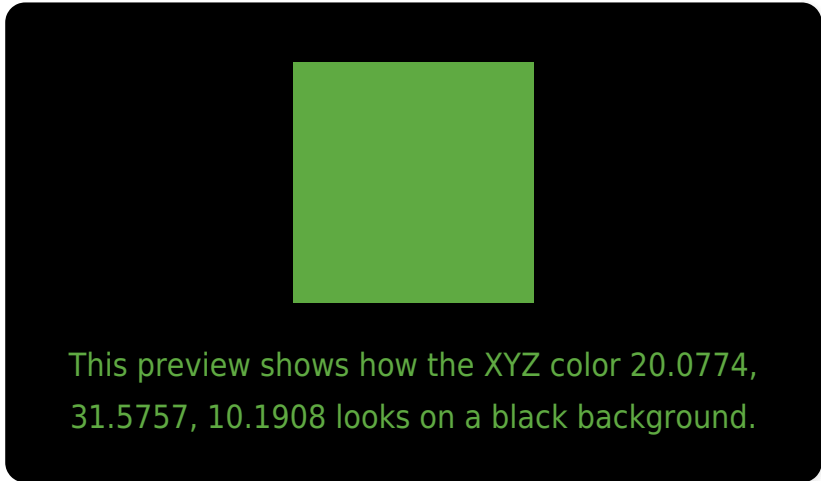
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



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 20.0774, 31.5757, 10.1908

Background



This preview shows how black text looks on a background with the XYZ color 20.0774, 31.5757, 10.1908.



This preview shows how white text looks on a background with the XYZ color 20.0774, 31.5757,

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

20.0774, 31.5757, 10.1908

Protanopia

28.4327, 31.2284, 8.9440

Deuteranopia

31.7028, 31.0057, 10.7924



Tritanopia

26.7840, 31.3522, 43.6696

Trichromacy



Original Color

20.0774, 31.5757, 10.1908



Protanomaly

24.4507, 30.9059, 9.3794



Deuteranomaly

25.8550, 30.1074, 10.4098



Tritanomaly

23.3942, 31.0136, 26.9435

Monochromacy



Original Color

20.0774, 31.5757, 10.1908



Achromatopsia

23.4014, 24.6201, 26.8113



Achromatomaly

21.3443, 26.3925, 19.0082

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.0774, 31.5757, 10.1908 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, 170, 66)` looks like.

```
.text, #text, p{  
    color:rgb(95, 170, 66)  
}
```

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, 170, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 170, 66) }
```

Border

The CSS property to change the border of an element to XYZ 20.0774, 31.5757, 10.1908 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, 170, 66) }
```


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

```
.border{ border-color:rgb(95, 170, 66) }
```

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

Here you see how a box with a 4 pixel rgb(95, 170, 66) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 170, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 170, 66);  
box-shadow:4px 4px 4px 4px rgb(95, 170,  
66) }
```

Background

The CSS property to change the background color of an element to XYZ 20.0774, 31.5757, 10.1908 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 170, 66) }
```

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

```
.background{ background-color: rgb(95, 170,  
66) }
```

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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