

Converting Colors

XYZ(20.4444, 31.9669, 13.7912)

Have a look what the booklet for
XYZ(20.4444, 31.9669, 13.7912)
contains.

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Color

**XYZ(20.4591, 31.9714,
13.8969)**

Conversions

Conversions Part 1

Format	Color
Hex	5AAB56
RGB	90, 171, 86
RGB Percent	35%, 67%, 34%
CMY	0.6471, 0.3294, 0.6627
CMYK	0.47, 0.00, 0.50, 0.33
HSL	117°, 34%, 50%
HSV	117°, 50%, 67%
XYZ	20.4591, 31.9714, 13.8969
YIQ	137.0910, -20.9910, -43.6070

Conversions

Conversions Part 2

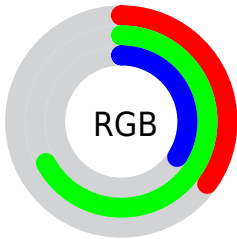
Format	Color
RYB	86, 171, 167
Decimal	5942102
CIELab	63.32, -42.24, 36.06
CIELCh	63, 55.539, 139.512
Yxy	31.9714, 0.3085, 0.4820
Android (android.graphics.Color)	4284132182 (0xFF5AAB56)
YUV	137.0910, -25.1879, -41.2988
Hunter-Lab	56.5433, -34.3639, 25.0083

Details

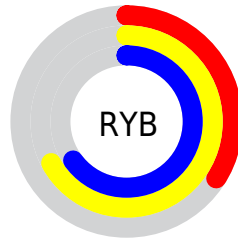
The XYZ color **20.4591, 31.9714, 13.8969** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **26.6164, 17.8124, 40.5651**, and the grayscale version is **23.9110, 25.1562, 27.3951**.

A 20% lighter version of the original color is **43.6615, 62.7641, 33.4804**, and **7.4080, 13.3975, 3.9458** is the 20% darker color. If you saturate the color by 10%, you get **18.4361, 30.9997, 10.6262**, and if you desaturate by 10%, it is **22.9961, 33.1908, 18.0535**.

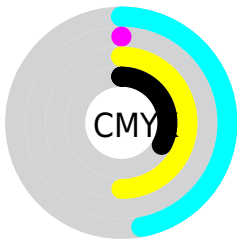
Distribution



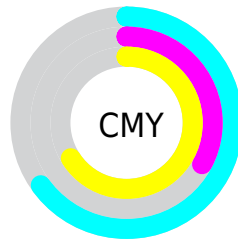
- Red (35%)
- Green (67%)
- Blue (34%)



- Red (34%)
- Yellow (67%)
- Blue (65%)



- Cyan (47%)
- Magenta (0%)
- Yellow (50%)
- Black (33%)



- Cyan (65%)
- Magenta (33%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.4591, 31.9714, 13.8969 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 20.4591, 31.9714, 13.8969 by changing the saturation by 10% instead.

■ 20.4591, 31.9714,
13.8969

■ 20.4591, 31.9714,
13.8969

247.1762,
310.9890, 227.9946

■ 12.8394, 21.3397,
7.9111

■ 43.6837, 62.7663,
33.6205

■ 7.3943, 13.3725,
3.9511

■ 60.0192, 83.6981,
48.1953

■ 3.7584, 7.6856,
1.5986

■ 79.9908, 108.8322,
66.4702

■ 1.5664, 3.8944,
0.2898

■ 103.9638,
138.5528, 88.8637

■ 0.3703, 1.6147,
0.0000

■ 132.3034,
173.2444, 115.7943

■ 0.0000, 0.3675,
0.0000

165.3752,

■ 0.0000, 0.0000,

213.2914, 147.6807

0.0000

203.5443,
259.0781, 184.9412

■ 20.4591, 31.9714,
13.8969

■ 20.4591, 31.9714,
13.8969

■ 18.4361, 30.9997,
10.6262

■ 22.9961, 33.1908,
18.0535

■ 16.8897, 30.2552,
8.1751

■ 26.0763, 34.6691,
23.1514

■ 15.7815, 29.7204,
6.4718


■ 29.7296, 36.4214,
29.2443


■ 15.0659, 29.3739,
5.4310


■ 33.9830, 38.4605,
36.3810


■ 14.6730, 29.1832,
4.8740


■ 38.8619, 40.7987,
44.6072

 14.6643, 29.1790,
4.8592

 44.3900, 43.4471,
53.9658

 50.5900, 46.4166,
64.4976

 57.4835, 49.7175,
76.2411

 65.0908, 53.3596,
89.2333

Harmonies

Analogous

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



25.7050, 31.9714, 8.1851



20.4591, 31.9714, 13.8969



18.0283, 31.9714, 27.6480

Triad

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



20.4591, 31.9714, 13.8969



27.7712, 31.9714, 95.3849



46.5928, 31.9714, 22.4801

Complementary

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



20.4591, 31.9714, 13.8969



26.6164, 17.8124, 40.5651

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.



47.3993, 31.9714, 43.1162



20.4591, 31.9714, 13.8969



35.6075, 31.9714, 92.0427

Square

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



20.4591, 31.9714, 13.8969



21.7511, 31.9714, 78.0563



43.0996, 31.9714, 70.2482



41.0529, 31.9714, 11.4923

Rectangle

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



20.4591, 31.9714, 13.8969



17.9974, 31.9714, 42.3013



43.0996, 31.9714, 70.2482



47.4582, 31.9714, 28.2623

Sweetspot

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



20.4599, 31.9727, 13.8976



56.4901, 66.7834, 57.8143



32.2487, 36.8774, 14.2230



12.2577, 14.7301, 12.3233



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.



20.4599, 31.9727, 13.8976



32.5932, 55.3128, 18.3526



22.0556, 32.5673, 24.2764



7.9381, 8.9567, 8.5238



11.0669, 22.0023, 3.6636



0.3189, 0.6178, 0.1024

Inverse Universe

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



26.6164, 17.8124, 40.5651



44.9130, 26.9038, 71.8277



24.3399, 17.0009, 24.0996



8.2993, 8.1286, 10.0843



16.9337, 8.0895, 29.7134



0.4822, 0.2308, 0.8271

Previews

White Background



This preview shows how the XYZ color 20.4591, 31.9714, 13.8969 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 20.4591, 31.9714, 13.8969 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 20.4591, 31.9714, 13.8969

Background



This preview shows how black text looks on a background with the XYZ color 20.4591, 31.9714, 13.8969.



This preview shows how white text looks on a background with the XYZ color 20.4591, 31.9714,

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

20.4591, 31.9714, 13.8969

Protanopia

28.9876, 31.6865, 12.1777

Deuteranopia

32.0647, 31.3378, 14.4840



Tritanopia

26.5692, 31.7339, 44.7693

Trichromacy



Original Color

20.4591, 31.9714, 13.8969

Protanomaly

24.9090, 31.3263, 12.7164

Deuteranomaly

25.9787, 30.3334, 14.1586

Tritanomaly

23.7044, 31.6300, 30.4470

Monochromacy



Original Color

20.4591, 31.9714, 13.8969

Achromatopsia

23.7775, 25.0158, 27.2422

Achromatomaly

21.7632, 26.7960, 21.1646

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.4591, 31.9714, 13.8969 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(90, 171, 86)` looks like.

```
.text, #text, p{  
    color:rgb(90, 171, 86)  
}
```

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(90, 171, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 171, 86) }
```

Border

The CSS property to change the border of an element to XYZ 20.4591, 31.9714, 13.8969 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(90, 171, 86) }
```


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

```
.border{ border-color:rgb(90, 171, 86) }
```

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

Here you see how a box with a 4 pixel rgb(90, 171, 86) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 171, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 171, 86);  
box-shadow:4px 4px 4px 4px rgb(90, 171,  
86) }
```

Background

The CSS property to change the background color of an element to XYZ 20.4591, 31.9714, 13.8969 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 171, 86) }
```

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

```
.background{ background-color: rgb(90, 171,  
86) }
```

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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