

Converting Colors

XYZ(20.5917, 31.2647, 13.9192)

Have a look what the booklet for
XYZ(20.5917, 31.2647, 13.9192)
contains.

XYZ(20.5468, 31.1802, 13.9523)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(20.5468, 31.1802,
13.9523)**

Conversions

Conversions Part 1

Format	Color
Hex	60A857
RGB	96, 168, 87
RGB Percent	38%, 66%, 34%
CMY	0.6235, 0.3412, 0.6588
CMYK	0.43, 0.00, 0.48, 0.34
HSL	113°, 32%, 50%
HSV	113°, 48%, 66%
XYZ	20.5468, 31.1802, 13.9523
YIQ	137.2380, -16.9110, -40.4550

Conversions

Conversions Part 2

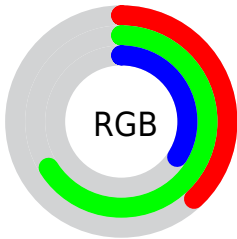
Format	Color
RYB	87, 168, 159
Decimal	6334551
CIELab	62.66, -38.97, 34.79
CIELCh	63, 52.238, 138.243
Yxy	31.1802, 0.3128, 0.4747
Android (android.graphics.Color)	4284524631 (0xFF60A857)
YUV	137.2380, -24.7673, -36.1657
Hunter-Lab	55.8392, -32.0372, 24.2729

Details

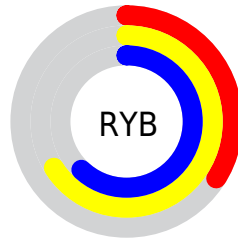
The XYZ color **20.5468, 31.1802, 13.9523** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **24.7758, 17.0155, 39.0260**, and the grayscale version is **23.9640, 25.2120, 27.4559**.

A 20% lighter version of the original color is **43.8208, 61.6303, 33.6310**, and **7.3950, 12.8728, 3.9287** is the 20% darker color. If you saturate the color by 10%, you get **18.5142, 30.2036, 10.6819**, and if you desaturate by 10%, it is **23.0392, 32.3773, 18.0794**.

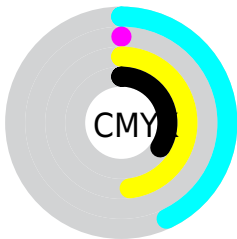
Distribution



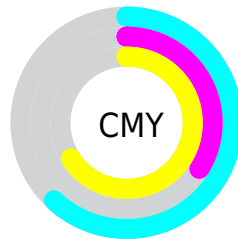
- Red (38%)
- Green (66%)
- Blue (34%)



- Red (34%)
- Yellow (66%)
- Blue (62%)



- Cyan (43%)
- Magenta (0%)
- Yellow (48%)
- Black (34%)



- Cyan (62%)
- Magenta (34%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.5468, 31.1802, 13.9523 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 20.5468, 31.1802, 13.9523 by changing the saturation by 10% instead.

■ 20.5468, 31.1802,
13.9523

■ 20.5468, 31.1802,
13.9523

247.6376,
307.3676, 228.3520

■ 12.9037, 20.7361,
7.9491

■ 43.8290, 61.5237,
33.7203

■ 7.4388, 12.9312,
3.9751

■ 60.1989, 82.1918,
48.3222

■ 3.7868, 7.3812,
1.6117

■ 80.2084, 107.0368,
66.6274

■ 1.5822, 3.7016,
0.2991

■ 104.2228,
136.4430, 89.0544

■ 0.3808, 1.5081,
0.0000

■ 132.6076,
170.7948, 116.0219

■ 0.0000, 0.2944,
0.0000

165.7281,

■ 0.0000, 0.0000,

210.4765, 147.9482

0.0000

203.9497,
255.8727, 185.2521

■ 20.5468, 31.1802,
13.9523

■ 20.5468, 31.1802,
13.9523

■ 18.5142, 30.2036,
10.6819

■ 23.0392, 32.3773,
18.0794

■ 16.9108, 29.4301,
8.2061

■ 26.0150, 33.8029,
23.1153

■ 15.7062, 28.8466,
6.4578


■ 29.4986, 35.4697,
29.1105


■ 14.8646, 28.4362,
5.3579


■ 33.5124, 37.3881,
36.1112


■ 14.3360, 28.1762,
4.7691


■ 38.0773, 39.5680,
44.1606

 14.2653, 28.1416,
4.6800

 43.2131, 42.0186,
53.2993

 48.9387, 44.7490,
63.5659

 55.2719, 47.7674,
74.9968

 62.2301, 51.0821,
87.6272

Harmonies

Analogous

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



25.5512, 31.1802, 8.6591



20.5468, 31.1802, 13.9523



18.1462, 31.1802, 26.5672

Triad

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



20.5468, 31.1802, 13.9523



26.9314, 31.1802, 88.6615



44.6421, 31.1802, 23.0903

Complementary

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



20.5468, 31.1802, 13.9523



24.7758, 17.0155, 39.0260

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.



45.1712, 31.1802, 42.5875



20.5468, 31.1802, 13.9523



34.1342, 31.1802, 86.5008

Square

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



20.5468, 31.1802, 13.9523



21.4172, 31.1802, 72.4292



41.0738, 31.1802, 67.3516



39.7266, 31.1802, 12.2884

Rectangle

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



20.5468, 31.1802, 13.9523



18.0412, 31.1802, 39.8907



41.0738, 31.1802, 67.3516



45.3647, 31.1802, 28.6303

Sweetspot

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



20.5476, 31.1815, 13.9530



56.2920, 65.6840, 57.6270



30.1910, 33.6563, 13.9224



11.9493, 14.1633, 12.0037



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.



20.5476, 31.1815, 13.9530



33.3181, 54.6729, 18.9464



21.2071, 31.3422, 22.0879



7.5113, 8.4462, 8.0237



10.7953, 21.2624, 3.5351



0.2856, 0.5292, 0.0871

Inverse Universe

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



24.7758, 17.0155, 39.0260



41.8860, 25.8064, 69.9986



24.0696, 16.9468, 25.6517



7.7586, 7.6237, 9.4809



14.7705, 6.9979, 28.5477



0.3818, 0.1818, 0.6956

Previews

White Background



This preview shows how the XYZ color 20.5468, 31.1802, 13.9523 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 20.5468, 31.1802, 13.9523 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

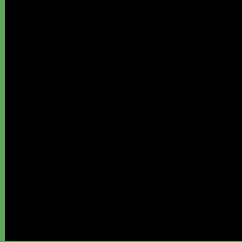
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 20.5468, 31.1802, 13.9523

Background



This preview shows how black text looks on a background with the XYZ color 20.5468, 31.1802, 13.9523.



This preview shows how white text looks on a background with the XYZ color 20.5468, 31.1802,

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

20.5468, 31.1802, 13.9523

Protanopia

28.2777, 30.8343, 12.2458

Deuteranopia

31.2404, 30.6819, 14.6316



Tritanopia

26.4309, 31.1813, 43.1536

Trichromacy



Original Color

20.5468, 31.1802, 13.9523



Protanomaly

24.6028, 30.4012, 12.7549



Deuteranomaly

26.0421, 30.1171, 14.3381



Tritanomaly

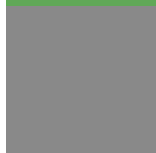
23.5978, 30.7983, 29.5119

Monochromacy



Original Color

20.5468, 31.1802, 13.9523



Achromatopsia

23.7775, 25.0158, 27.2422



Achromatomaly

21.9457, 26.6493, 21.4399

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.5468, 31.1802, 13.9523 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(96, 168, 87)` looks like.

```
.text, #text, p{  
    color:rgb(96, 168, 87)  
}
```

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(96, 168, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 168, 87) }
```

Border

The CSS property to change the border of an element to XYZ 20.5468, 31.1802, 13.9523 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(96, 168, 87) }
```


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

```
.border{ border-color:rgb(96, 168, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 168, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 168, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 168, 87);  
box-shadow:4px 4px 4px 4px rgb(96, 168,  
87) }
```

Background

The CSS property to change the background color of an element to XYZ 20.5468, 31.1802, 13.9523 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 168, 87) }
```

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

```
.background{ background-color: rgb(96, 168,  
87) }
```

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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