

Converting Colors

XYZ(20.9051, 31.0993, 13.9182)

Have a look what the booklet for
XYZ(20.9051, 31.0993, 13.9182)
contains.

XYZ(20.9058, 31.0923, 13.9164)	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(20.9058, 31.0923,
13.9164)**

Conversions

Conversions Part 1

Format	Color
Hex	65A757
RGB	101, 167, 87
RGB Percent	40%, 65%, 34%
CMY	0.6039, 0.3451, 0.6588
CMYK	0.40, 0.00, 0.48, 0.35
HSL	110°, 31%, 50%
HSV	110°, 48%, 65%
XYZ	20.9058, 31.0923, 13.9164
YIQ	138.1460, -13.6560, -38.8720

Conversions

Conversions Part 2

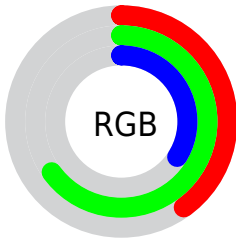
Format	Color
RYB	87, 167, 153
Decimal	6661975
CIELab	62.59, -36.91, 34.75
CIElCh	63, 50.694, 136.729
Yxy	31.0923, 0.3172, 0.4717
Android (android.graphics.Color)	4284852055 (0xFF65A757)
YUV	138.1460, -25.2150, -32.5770
Hunter-Lab	55.7605, -30.6573, 24.2350

Details

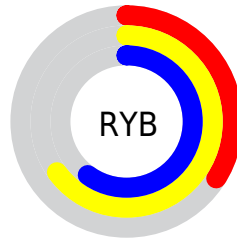
The XYZ color **20.9058, 31.0923, 13.9164** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **23.5218, 16.3798, 38.4829**, and the grayscale version is **24.3109, 25.5769, 27.8533**.

A 20% lighter version of the original color is **44.4927, 61.5789, 33.5857**, and **7.5861, 12.8029, 3.9051** is the 20% darker color. If you saturate the color by 10%, you get **18.8856, 30.1217, 10.6631**, and if you desaturate by 10%, it is **23.3441, 32.2620, 18.0145**.

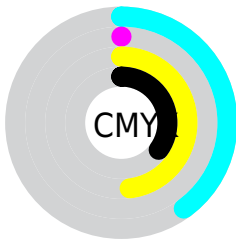
Distribution



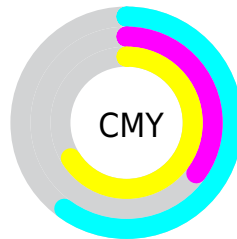
- Red (40%)
- Green (65%)
- Blue (34%)



- Red (34%)
- Yellow (65%)
- Blue (60%)



- Cyan (40%)
- Magenta (0%)
- Yellow (48%)
- Black (35%)



- Cyan (60%)
- Magenta (35%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.9058, 31.0923, 13.9164 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 20.9058, 31.0923, 13.9164 by changing the saturation by 10% instead.

■ 20.9058, 31.0923,
13.9164

■ 20.9058, 31.0923,
13.9164

249.5186,
306.9633, 228.1204

■ 13.1672, 20.6691,
7.9245

■ 44.4232, 61.3854,
33.6556

■ 7.6216, 12.8824,
3.9596

■ 60.9327, 82.0241,
48.2400

■ 3.9035, 7.3476,
1.6032

■ 81.0965, 106.8367,
66.5255

■ 1.6477, 3.6804,
0.2931

■ 105.2801,
136.2077, 88.9308

■ 0.4232, 1.4964,
0.0000

■ 133.8488,
170.5215, 115.8744

■ 0.0000, 0.2862,
0.0000

167.1678,

■ 0.0000, 0.0000,

210.1624, 147.7749

0.0000

205.6027,
255.5149, 185.0507

■ 20.9058, 31.0923,
13.9164

■ 20.9058, 31.0923,
13.9164

■ 18.8856, 30.1217,
10.6631

■ 23.3441, 32.2620,
18.0145

■ 17.2572, 29.3352,
8.1939

■ 26.2201, 33.6371,
23.0085

■ 15.9950, 28.7220,
6.4430


■ 29.5550, 35.2283,
28.9478


■ 15.0690, 28.2682,
5.3333


■ 33.3680, 37.0446,
35.8779


■ 14.4376, 27.9553,
4.7355


■ 37.6770, 39.0942,
43.8409

 14.3323, 27.9032,
4.6305

 42.4992, 41.3851,
52.8767

 47.8506, 43.9248,
63.0233

 53.7470, 46.7206,
74.3164

 60.2032, 49.7795,
86.7904

Harmonies

Analogous

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



25.8952, 31.0923, 8.9450



20.9058, 31.0923, 13.9164



18.4280, 31.0923, 25.8591

Triad

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



20.9058, 31.0923, 13.9164



26.6100, 31.0923, 85.9425



44.1673, 31.0923, 24.0517

Complementary

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



20.9058, 31.0923, 13.9164



23.5218, 16.3798, 38.4829

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.



44.4388, 31.0923, 43.3477



20.9058, 31.0923, 13.9164



33.5385, 31.0923, 84.8425

Square

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



20.9058, 31.0923, 13.9164



21.3586, 31.0923, 69.7448



40.3043, 31.0923, 67.1519



39.6119, 31.0923, 13.0389

Rectangle

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



20.9058, 31.0923, 13.9164



18.2368, 31.0923, 38.5051



40.3043, 31.0923, 67.1519



44.7848, 31.0923, 29.5938

Sweetspot

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



20.9066, 31.0936, 13.9171



55.3205, 64.2285, 56.1621



28.9405, 31.4700, 13.5663



12.0709, 14.2260, 12.0094



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.



20.9066, 31.0936, 13.9171



33.7797, 53.9234, 19.0309



20.6935, 30.8425, 20.2901



7.5546, 8.4685, 8.0257



10.9971, 21.3664, 3.5445



0.3020, 0.5376, 0.0878

Inverse Universe

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



23.5218, 16.3798, 38.4829



38.9643, 24.4810, 68.1469



24.2032, 16.9757, 27.4624



7.7112, 7.5993, 9.4787



13.3667, 6.2742, 28.4820



0.3580, 0.1696, 0.6945

Previews

White Background



This preview shows how the XYZ color 20.9058, 31.0923, 13.9164 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 20.9058, 31.0923, 13.9164 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

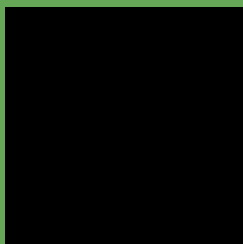
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 20.9058, 31.0923, 13.9164

Background



This preview shows how black text looks on a background with the XYZ color 20.9058, 31.0923, 13.9164.



This preview shows how white text looks on a background with the XYZ color 20.9058, 31.0923,

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

20.9058, 31.0923, 13.9164

Protanopia

28.2777, 30.8343, 12.2458

Deuteranopia

31.2404, 30.6819, 14.6316



Tritanopia

26.6850, 31.0690, 42.6207

Trichromacy



Original Color

20.9058, 31.0923, 13.9164

Protanomaly

24.7736, 30.4893, 12.7629

Deuteranomaly

26.2534, 29.9841, 14.3013

Tritanomaly

24.0340, 30.7627, 29.4820

Monochromacy



Original Color

20.9058, 31.0923, 13.9164

Achromatopsia

24.1572, 25.4152, 27.6772

Achromatomaly

22.5347, 27.1868, 21.5126

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.9058, 31.0923, 13.9164 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(101, 167, 87)` looks like.

```
.text, #text, p{  
    color:rgb(101, 167, 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(101, 167, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 167, 87) }
```

Border

The CSS property to change the border of an element to XYZ 20.9058, 31.0923, 13.9164 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(101, 167, 87) }
```


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

```
.border{ border-color:rgb(101, 167, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 167, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 167, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 167, 87);  
box-shadow:4px 4px 4px 4px rgb(101, 167,  
87) }
```

Background

The CSS property to change the background color of an element to XYZ 20.9058, 31.0923, 13.9164 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 167, 87) }
```

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

```
.background{ background-color: rgb(101,  
167, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor