

Converting Colors

XYZ(31.0602, 56.3710, 9.8598)

Have a look what the booklet for
XYZ(31.0602, 56.3710, 9.8598)
contains.

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Color

**XYZ(31.0602, 56.3710,
9.8598)**

Conversions

Conversions Part 1

Format	Color
Hex	55E213
RGB	85, 226, 19
RGB Percent	33%, 89%, 7%
CMY	0.6667, 0.1137, 0.9254
CMYK	0.62, 0.00, 0.92, 0.11
HSL	101°, 84%, 48%
HSV	101°, 92%, 89%
XYZ	31.0602, 56.3710, 9.8598
YIQ	160.2430, -17.5890, -94.2690

Conversions

Conversions Part 2

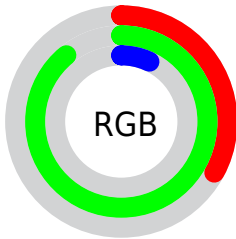
Format	Color
RYB	19, 226, 160
Decimal	5628435
CIELab	79.82, -68.64, 75.40
CIELCh	80, 101.966, 132.312
Yxy	56.3710, 0.3193, 0.5794
Android (android.graphics.Color)	4283818515 (0xFF55E213)
YUV	160.2430, -69.6328, -65.9881
Hunter-Lab	75.0806, -57.5472, 44.7703

Details

The XYZ color **31.0602, 56.3710, 9.8598** is a dark color, and the websafe version is hex **33CC00**. The color can be described as dark washed green. A complement of this color would be **28.4635, 13.4338, 73.0474**, and the grayscale version is **33.8455, 35.6081, 38.7772**.

A 20% lighter version of the original color is **50.2694, 78.7767, 22.6812**, and **14.1880, 28.3759, 4.7293** is the 20% darker color. If you saturate the color by 10%, you get **29.8731, 55.7744, 9.1911**, and if you desaturate by 10%, it is **32.9081, 57.2914, 11.4790**.

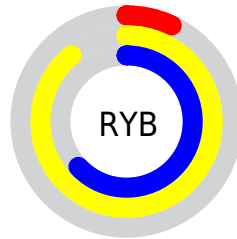
Distribution



Red (33%)

Green (89%)

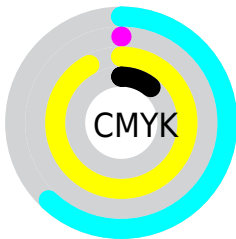
Blue (7%)



Red (7%)

Yellow (89%)

Blue (63%)

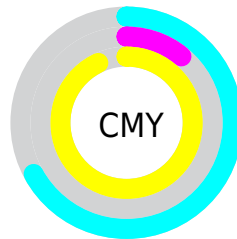


Cyan (62%)

Magenta (0%)

Yellow (92%)

Black (11%)



Cyan (67%)


Magenta (11%)


Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.0602, 56.3710, 9.8598 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 31.0602, 56.3710, 9.8598 by changing the saturation by 10% instead.


 31.0602, 56.3710,
9.8598


 31.0602, 56.3710,
9.8598


298.6375,
411.0882, 200.1168


 20.7967, 40.5005,
5.2017


 60.7100, 99.5468,
26.1351


 13.0871, 27.9290,
2.3053


 80.8271, 127.6209,
38.5895


 7.5660, 18.2721,
0.7342


 104.9595,
160.5315, 54.4796

 3.8680, 11.1455,
0.0000

 133.4724,
198.6632, 74.2242

 1.6277, 6.1648,
0.0000

 166.7314,
242.4004, 98.2416

 0.4104, 2.9456,
0.0000

 205.1016,

 0.0000, 1.1034,

292.1273, 126.9505

0.0000

248.9485,
348.2284, 160.7694

■ 0.0000, 0.0000,
0.0000

■ 31.0602, 56.3710,
9.8598

■ 31.0602, 56.3710,
9.8598

■ 29.8731, 55.7744,
9.1911

■ 32.9081, 57.2914,
11.4790

■ 35.3041, 58.4665,
14.3080

■ 38.2998, 59.9206,
18.5259

■ 41.9388, 61.6730,
24.2811

■ 46.2603, 63.7409,
31.7030

■ 51.2997, 66.1404,
40.9072

■ 57.0901, 68.8859,
51.9992

■ 63.6623, 71.9914,
65.0761

■ 71.0452, 75.4697,
80.2284

Harmonies

Analogous

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



45.5552, 56.3710, 3.8411



31.0602, 56.3710, 9.8598



23.9685, 56.3710, 32.9197

Triad

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



31.0602, 56.3710, 9.8598



42.4042, 56.3710, 245.7903



102.4497, 56.3710, 40.1949

Complementary

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



31.0602, 56.3710, 9.8598



28.4635, 13.4338, 73.0474

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.



100.9729, 56.3710, 102.7867



31.0602, 56.3710, 9.8598



62.4935, 56.3710, 252.8131

Square

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



31.0602, 56.3710, 9.8598



29.2661, 56.3710, 174.0642



84.9759, 56.3710, 189.6062



88.6056, 56.3710, 12.2590

Rectangle

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



31.0602, 56.3710, 9.8598



22.9062, 56.3710, 66.0779



84.9759, 56.3710, 189.6062



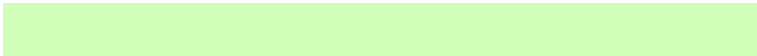
103.8119, 56.3710, 56.9072

Sweetspot

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



31.0615, 56.3734, 9.8611



70.6786, 88.4955, 59.8942



43.5417, 40.3337, 6.1073



14.5852, 18.6840, 11.7903



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



31.0615, 56.3734, 9.8611



39.1778, 73.2820, 12.0800



28.1210, 54.7955, 12.5254



13.9380, 15.5482, 14.5733



17.1513, 31.8743, 5.2484



1.2798, 2.2562, 0.3680

Inverse Universe

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



28.4635, 13.4338, 73.0474



35.4421, 16.1860, 95.8639



41.0585, 20.4198, 51.3606



13.8480, 13.7052, 17.3032



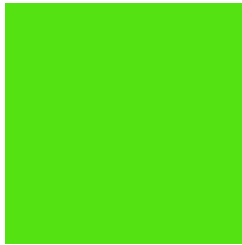
15.5583, 7.1159, 41.6019



1.1702, 0.5406, 2.8879

Previews

White Background



This preview shows how the XYZ color 31.0602, 56.3710, 9.8598 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 31.0602, 56.3710, 9.8598 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 31.0602, 56.3710, 9.8598

Background



This preview shows how black text looks on a background with the XYZ color 31.0602, 56.3710, 9.8598.



This preview shows how white text looks on a background with the XYZ color 31.0602, 56.3710,

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

31.0602, 56.3710, 9.8598

Protanopia

49.7850, 55.3047, 8.0509

Deuteranopia

56.4924, 55.1223, 10.6798



Tritanopia

45.0801, 55.8502, 81.0772

Trichromacy



Original Color

31.0602, 56.3710, 9.8598



Protanomaly

39.6075, 53.8977, 8.5168



Deuteranomaly

41.9919, 52.6111, 9.8612



Tritanomaly

36.4485, 54.5973, 37.8955

Monochromacy



Original Color

31.0602, 56.3710, 9.8598



Achromatopsia

33.4132, 35.1533, 38.2819



Achromatomaly

29.5737, 40.3717, 20.7018

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.0602, 56.3710, 9.8598 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(85, 226, 19)` looks like.

```
.text, #text, p{  
    color:rgb(85, 226, 19)  
}
```

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(85, 226, 19) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 226, 19) }
```

Border

The CSS property to change the border of an element to XYZ 31.0602, 56.3710, 9.8598 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(85, 226, 19) }
```


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

```
.border{ border-color:rgb(85, 226, 19) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 226, 19)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 226, 19); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 226, 19);  
box-shadow:4px 4px 4px 4px rgb(85, 226,  
19) }
```

Background

The CSS property to change the background color of an element to XYZ 31.0602, 56.3710, 9.8598 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 226, 19) }
```

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

```
.background{ background-color: rgb(85, 226,  
19) }
```

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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