

Converting Colors

XYZ(20.5358, 31.8807, 8.6905)

Have a look what the booklet for
XYZ(20.5358, 31.8807, 8.6905)
contains.

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Color

**XYZ(20.5438, 31.8501,
8.6793)**

Conversions

Conversions Part 1

Format	Color
Hex	66AA37
RGB	102, 170, 55
RGB Percent	40%, 67%, 22%
CMY	0.6000, 0.3333, 0.7843
CMYK	0.40, 0.00, 0.68, 0.33
HSL	95°, 51%, 44%
HSV	95°, 68%, 67%
XYZ	20.5438, 31.8501, 8.6793
YIQ	136.5580, -3.6130, -50.1810

Conversions

Conversions Part 2

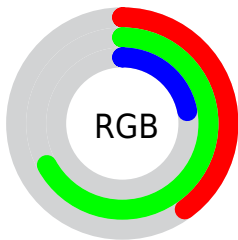
Format	Color
RYB	55, 170, 123
Decimal	6728247
CIELab	63.22, -41.39, 50.51
CIELCh	63, 65.305, 129.335
Yxy	31.8501, 0.3364, 0.5215
Android (android.graphics.Color)	4284918327 (0xFF66AA37)
YUV	136.5580, -40.2081, -30.3074
Hunter-Lab	56.4359, -33.7852, 30.3869

Details

The XYZ color **20.5438, 31.8501, 8.6793** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **16.7918, 9.8466, 39.0476**, and the grayscale version is **23.7596, 24.9969, 27.2217**.

A 20% lighter version of the original color is **43.8078, 62.6435, 23.9699**, and **7.4880, 13.3034, 2.1732** is the 20% darker color. If you saturate the color by 10%, you get **19.1336, 31.1634, 6.8407**, and if you desaturate by 10%, it is **22.2340, 32.6670, 11.2650**.

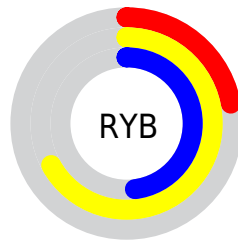
Distribution



Red (40%)

Green (67%)

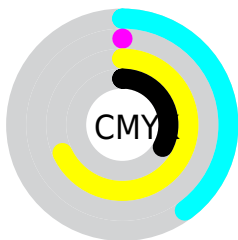
Blue (22%)



Red (22%)

Yellow (67%)

Blue (48%)

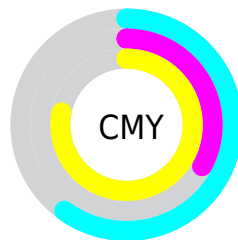


Cyan (40%)

Magenta (0%)

Yellow (68%)

Black (33%)



Cyan (60%)


Magenta (33%)


Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.5438, 31.8501, 8.6793 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 20.5438, 31.8501, 8.6793 by changing the saturation by 10% instead.


 20.5438, 31.8501,
8.6793


 20.5438, 31.8501,
8.6793


247.6219,
310.4358, 191.0963


 12.9015, 21.2470,
4.4387


 43.8241, 62.5760,
23.8476


 7.4373, 13.3047,
1.8689


 60.1927, 83.4677,
35.6122


 3.7858, 7.6387,
0.4729


 80.2009, 108.5576,
50.7220

 1.5817, 3.8646,
0.0000

 104.2140,
138.2303, 69.5954

 0.3804, 1.5981,
0.0000

 132.5972,
172.8700, 92.6510

 0.0000, 0.3563,
0.0000

 165.7161,

 0.0000, 0.0000,

212.8613, 120.3073

0.0000

203.9358,
258.5884, 152.9829

■ 20.5438, 31.8501,
8.6793

■ 20.5438, 31.8501,
8.6793

■ 19.1336, 31.1634,
6.8407

■ 22.2340, 32.6670,
11.2650

■ 17.9813, 30.5941,
5.6671

■ 24.2198, 33.6175,
14.6644

■ 17.0580, 30.1312,
5.0318

■ 26.5177, 34.7099,
18.9389

■ 16.8634, 30.0335,
4.9082

■ 29.1425, 35.9505,
24.1437

■ 32.1079, 37.3454,
30.3291

■ 35.4266, 38.9000,
37.5421

■ 39.1107, 40.6197,
45.8265

■ 43.1716, 42.5094,
55.2236

■ 47.6205, 44.5740,
65.7726

Harmonies

Analogous

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



27.5417, 31.8501, 5.1106



20.5438, 31.8501, 8.6793



16.7557, 31.8501, 19.9202

Triad

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



20.5438, 31.8501, 8.6793



24.5474, 31.8501, 105.1495



50.8495, 31.8501, 27.2201

Complementary

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



20.5438, 31.8501, 8.6793



16.7918, 9.8466, 39.0476

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.



49.6057, 31.8501, 55.3626



20.5438, 31.8501, 8.6793



33.1783, 31.8501, 110.5644

Square

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



20.5438, 31.8501, 8.6793



18.7277, 31.8501, 76.7307



42.6706, 31.8501, 89.1358



45.7919, 31.8501, 11.7394

Rectangle

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



20.5438, 31.8501, 8.6793



16.0144, 31.8501, 34.1053



42.6706, 31.8501, 89.1358



51.1736, 31.8501, 35.2598

Sweetspot

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



20.5446, 31.8515, 8.6800



56.7294, 67.0403, 51.7964



24.2382, 22.7628, 6.7310



12.3198, 14.7946, 10.8574



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.



20.5446, 31.8515, 8.6800



33.6498, 56.0160, 11.2434



16.8934, 29.9400, 9.8271



7.7162, 8.5518, 8.0332



12.4645, 22.1229, 3.6132



0.3616, 0.5683, 0.0906

Inverse Universe

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



16.7918, 9.8466, 39.0476



26.2858, 13.2671, 70.1773



24.3267, 13.8320, 34.8385



7.5410, 7.5115, 9.4708



9.3108, 4.1833, 28.2922



0.2824, 0.1306, 0.6910

Previews

White Background



This preview shows how the XYZ color 20.5438, 31.8501, 8.6793 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 20.5438, 31.8501, 8.6793 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 20.5438, 31.8501, 8.6793

Background



This preview shows how black text looks on a background with the XYZ color 20.5438, 31.8501, 8.6793.



This preview shows how white text looks on a background with the XYZ color 20.5438, 31.8501,

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

20.5438, 31.8501, 8.6793

Protanopia

28.5445, 31.5588, 7.6046

Deuteranopia

32.0371, 31.4398, 9.2304



Tritanopia

27.5903, 31.7679, 43.7074

Trichromacy



Original Color

20.5438, 31.8501, 8.6793

Protanomaly

24.6950, 31.0639, 7.9432

Deuteranomaly

26.3025, 30.6162, 8.9381

Tritanomaly

23.8697, 31.2901, 25.5504

Monochromacy



Original Color

20.5438, 31.8501, 8.6793

Achromatopsia

23.7775, 25.0158, 27.2422

Achromatomaly

21.7135, 26.8415, 17.9464

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.5438, 31.8501, 8.6793 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(102, 170, 55)` looks like.

```
.text, #text, p{  
    color:rgb(102, 170, 55)  
}
```

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(102, 170, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 170, 55) }
```

Border

The CSS property to change the border of an element to XYZ 20.5438, 31.8501, 8.6793 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(102, 170, 55) }
```


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

```
.border{ border-color:rgb(102, 170, 55) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 170, 55)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 170, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 170, 55);  
box-shadow:4px 4px 4px 4px rgb(102, 170,  
55) }
```

Background

The CSS property to change the background color of an element to XYZ 20.5438, 31.8501, 8.6793 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 170, 55) }
```

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

```
.background{ background-color: rgb(102,  
170, 55) }
```

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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