

Converting Colors

XYZ(28.1405, 38.1118, 20.6250)

Have a look what the booklet for
XYZ(28.1405, 38.1118, 20.6250)
contains.

XYZ(28.1405, 38.1118, 20.6250)	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(28.1405, 38.1118,
20.6250)**

Conversions

Conversions Part 1

Format	Color
Hex	82B36E
RGB	130, 179, 110
RGB Percent	51%, 70%, 43%
CMY	0.4902, 0.2980, 0.5686
CMYK	0.27, 0.00, 0.39, 0.30
HSL	103°, 31%, 57%
HSV	103°, 39%, 70%
XYZ	28.1405, 38.1118, 20.6250
YIQ	156.4830, -7.0550, -31.8470

Conversions

Conversions Part 2

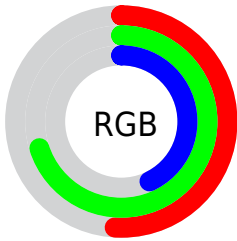
Format	Color
RYB	110, 179, 159
Decimal	8565614
CIELab	68.10, -29.26, 30.14
CIElCh	68, 42.012, 134.152
Yxy	38.1118, 0.3239, 0.4387
Android (android.graphics.Color)	4286755694 (0xFF82B36E)
YUV	156.4830, -22.9161, -23.2256
Hunter-Lab	61.7348, -26.6703, 23.4061

Details

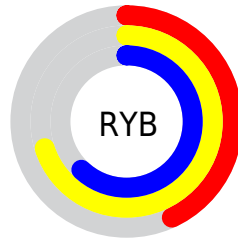
The XYZ color **28.1405, 38.1118, 20.6250** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **28.0123, 21.7786, 45.3771**, and the grayscale version is **31.9183, 33.5806, 36.5692**.

A 20% lighter version of the original color is **55.9971, 72.2156, 45.1701**, and **11.4450, 16.8783, 7.0695** is the 20% darker color. If you saturate the color by 10%, you get **25.4320, 36.8181, 15.9147**, and if you desaturate by 10%, it is **31.2888, 39.6117, 26.3851**.

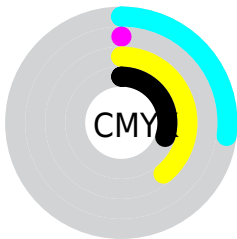
Distribution



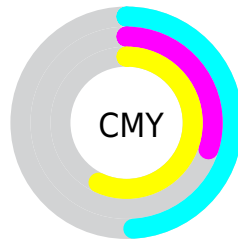
- Red (51%)
- Green (70%)
- Blue (43%)



- Red (43%)
- Yellow (70%)
- Blue (62%)



- Cyan (27%)
- Magenta (0%)
- Yellow (39%)
- Black (30%)



- Cyan (49%)
- Magenta (30%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.1405, 38.1118, 20.6250 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 28.1405, 38.1118, 20.6250 by changing the saturation by 10% instead.

■ 28.1405, 38.1118,
20.6250

■ 28.1405, 38.1118,
20.6250

285.2056,
338.0993, 267.9941

■ 18.5726, 26.0695,
12.6616

■ 56.1158, 72.2795,
45.3352

■ 11.4640, 16.8756,
7.0680

■ 75.2538, 95.1736,
62.9192

■ 6.4494, 10.1459,
3.4255

■ 98.3126, 122.4538,
84.5470

■ 3.1635, 5.4958,
1.3158

■ 125.6576,
154.5044, 110.6374

■ 1.2408, 2.5410,
0.0747

157.6540,
191.7099, 141.6087

■ 0.1382, 0.8971,
0.0000

194.6672,

■ 0.0000, 0.0000,

234.4546, 177.8795

0.0000

237.0626,
283.1229, 219.8685

■ 28.1405, 38.1118,
20.6250

■ 28.1405, 38.1118,
20.6250

■ 25.4320, 36.8181,
15.9147

■ 31.2888, 39.6117,
26.3851

■ 23.1397, 35.7165,
12.1885

■ 34.8932, 41.3216,
33.2506

■ 21.2421, 34.7985,
9.3773


■ 38.9727, 43.2513,
41.2758


■ 19.7143, 34.0530,
7.4016


■ 43.5443, 45.4084,
50.5111


■ 18.5281, 33.4676,
6.1688

■ 48.6243, 47.8002,
61.0037


 17.6418, 33.0242,
5.5191

 54.2279, 50.4337,
72.7982

 17.5309, 32.9686,
5.4396

 60.3699, 53.3156,
85.9373

 67.0644, 56.4522,
100.4615

 71.6222, 58.7686,
102.1763

Harmonies

Analogous

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



33.2313, 38.1118, 15.4284



28.1405, 38.1118, 20.6250



25.4091, 38.1118, 32.4062

Triad

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



28.1405, 38.1118, 20.6250



32.8925, 38.1118, 86.7649



49.8599, 38.1118, 33.2884

Complementary

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



28.1405, 38.1118, 20.6250



28.0123, 21.7786, 45.3771

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.



49.7406, 38.1118, 52.1470



28.1405, 38.1118, 20.6250



39.3915, 38.1118, 87.2173

Square

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



28.1405, 38.1118, 20.6250



27.9184, 38.1118, 72.0335



45.7241, 38.1118, 73.1291



46.0326, 38.1118, 21.1022

Rectangle

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



28.1405, 38.1118, 20.6250



25.0589, 38.1118, 44.1641



45.7241, 38.1118, 73.1291



50.2932, 38.1118, 38.9400

Sweetspot

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



28.1415, 38.1134, 20.6258



67.0249, 76.1487, 68.4207



33.6845, 35.2673, 19.7843



14.6402, 16.7718, 14.7463



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



28.1415, 38.1134, 20.6258



46.3496, 66.3222, 29.8636



26.1771, 37.0071, 24.7667



8.6127, 9.6054, 9.0526



12.4448, 23.3256, 3.8464



0.4509, 0.7645, 0.1238

Inverse Universe

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



28.0123, 21.7786, 45.3771



46.0629, 33.0073, 80.3244



30.9775, 23.4605, 38.5901



8.6053, 8.5206, 10.6974



12.0143, 5.5294, 30.5710



0.4324, 0.2020, 0.9644

Previews

White Background



This preview shows how the XYZ color 28.1405, 38.1118, 20.6250 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 28.1405, 38.1118, 20.6250 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 28.1405, 38.1118, 20.6250

Background



This preview shows how black text looks on a background with the XYZ color 28.1405, 38.1118, 20.6250.



This preview shows how white text looks on a background with the XYZ color 28.1405, 38.1118,

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

28.1405, 38.1118, 20.6250

Protanopia

34.8273, 37.6335, 18.7930

Deuteranopia

38.3473, 37.5618, 21.4487



Tritanopia

34.1818, 37.9609, 50.8730

Trichromacy



Original Color

28.1405, 38.1118, 20.6250

Protanomaly

31.9289, 37.4924, 19.4638

Deuteranomaly

33.8504, 37.3489, 21.0477

Tritanomaly

31.5106, 37.7247, 37.5191

Monochromacy



Original Color

28.1405, 38.1118, 20.6250

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

29.9683, 34.6180, 29.5286

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.1405, 38.1118, 20.6250 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(130, 179, 110)` looks like.

```
.text, #text, p{  
    color:rgb(130, 179, 110)  
}
```

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(130, 179, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 179, 110) }
```

Border

The CSS property to change the border of an element to XYZ 28.1405, 38.1118, 20.6250 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(130, 179, 110) }
```


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

```
.border{ border-color:rgb(130, 179, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 179, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(130, 179, 110); -webkit-box-shadow:4px 4px 4px 4px rgb(130, 179, 110); box-shadow:4px 4px 4px 4px rgb(130, 179, 110) }
```

Background

The CSS property to change the background color of an element to XYZ 28.1405, 38.1118, 20.6250 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 179, 110) }
```

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

```
.background{ background-color: rgb(130,  
179, 110) }
```

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