

Converting Colors

XYZ(28.0880, 38.1218, 20.6673)

Have a look what the booklet for
XYZ(28.0880, 38.1218, 20.6673)
contains.

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Color

**XYZ(27.9878, 38.0331,
20.6179)**

Conversions

Conversions Part 1

Format	Color
Hex	81B36E
RGB	129, 179, 110
RGB Percent	51%, 70%, 43%
CMY	0.4941, 0.2980, 0.5686
CMYK	0.28, 0.00, 0.39, 0.30
HSL	103°, 31%, 57%
HSV	103°, 39%, 70%
XYZ	27.9878, 38.0331, 20.6179
YIQ	156.1840, -7.6510, -32.0590

Conversions

Conversions Part 2

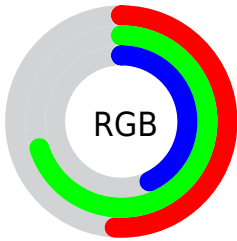
Format	Color
RYB	110, 179, 160
Decimal	8500078
CIELab	68.05, -29.62, 30.06
CIELCh	68, 42.198, 134.579
Yxy	38.0331, 0.3230, 0.4390
Android (android.graphics.Color)	4286690158 (0xFF81B36E)
YUV	156.1840, -22.7687, -23.8404
Hunter-Lab	61.6710, -26.9166, 23.3478

Details

The XYZ color **27.9878, 38.0331, 20.6179** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **28.2116, 21.8813, 45.3865**, and the grayscale version is **31.7839, 33.4391, 36.4152**.

A 20% lighter version of the original color is **55.7584, 72.0926, 45.1589**, and **11.3637, 16.8364, 7.0657** is the 20% darker color. If you saturate the color by 10%, you get **25.2633, 36.7312, 15.9069**, and if you desaturate by 10%, it is **31.1613, 39.5460, 26.3792**.

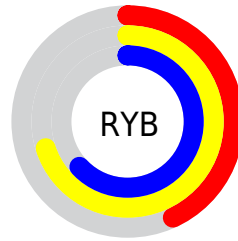
Distribution



Red (51%)

Green (70%)

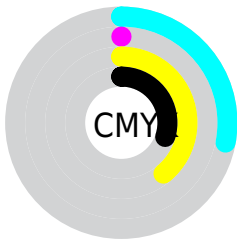
Blue (43%)



Red (43%)

Yellow (70%)

Blue (63%)

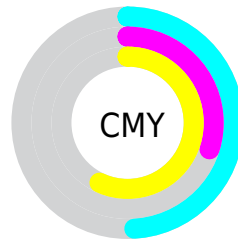


Cyan (28%)

Magenta (0%)

Yellow (39%)

Black (30%)



Cyan (49%)

Magenta (30%)

Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.9878, 38.0331, 20.6179 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 27.9878, 38.0331, 20.6179 by changing the saturation by 10% instead.

■ 27.9878, 38.0331,
20.6179

■ 27.9878, 38.0331,
20.6179

284.4898,
337.7619, 267.9548

■ 18.4569, 26.0084,
12.6565

■ 55.8737, 72.1589,
45.3232

■ 11.3802, 16.8299,
7.0645

■ 74.9595, 95.0287,
62.9042

■ 6.3923, 10.1133,
3.4234

■ 97.9608, 122.2824,
84.5288

■ 3.1280, 5.4741,
1.3147

■ 125.2432,
154.3043, 110.6156

■ 1.2218, 2.5281,
0.0738

157.1719,
191.4788, 141.5830

■ 0.1235, 0.8906,
0.0000

194.1123,

■ 0.0000, 0.0000,

234.1903, 177.8497

0.0000

236.4298,
282.8232, 219.8341

■ 27.9878, 38.0331,
20.6179

■ 27.9878, 38.0331,
20.6179

■ 25.2633, 36.7312,
15.9069

■ 31.1613, 39.5460,
26.3792

■ 22.9637, 35.6258,
12.1803

■ 34.8007, 41.2740,
33.2463

■ 21.0667, 34.7081,
9.3691


■ 38.9255, 43.2270,
41.2737


■ 19.5469, 33.9668,
7.3938


■ 43.5532, 45.4130,
50.5116


■ 18.3752, 33.3888,
6.1616


■ 48.7005, 47.8395,
61.0073


 17.5089, 32.9556,
5.5129

 54.3831, 50.5138,
72.8056

 17.4013, 32.9018,
5.4335

 60.6162, 53.4426,
85.9490

 67.4143, 56.6326,
100.4781

 72.0884, 59.0089,
102.1981

Harmonies

Analogous

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



33.0618, 38.0331, 15.3389



27.9878, 38.0331, 20.6179



25.2879, 38.0331, 32.5172

Triad

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



27.9878, 38.0331, 20.6179



32.8932, 38.0331, 86.9946



49.8051, 38.0331, 32.9560

Complementary

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



27.9878, 38.0331, 20.6179



28.2116, 21.8813, 45.3865

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.



49.7457, 38.0331, 51.7958



27.9878, 38.0331, 20.6179



39.4233, 38.0331, 87.2203

Square

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



27.9878, 38.0331, 20.6179



27.8773, 38.0331, 72.3493



45.7607, 38.0331, 72.8956



45.9144, 38.0331, 20.8548

Rectangle

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



27.9878, 38.0331, 20.6179



24.9627, 38.0331, 44.3677



45.7607, 38.0331, 72.8956



50.2602, 38.0331, 38.5898

Sweetspot

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



27.9888, 38.0347, 20.6187



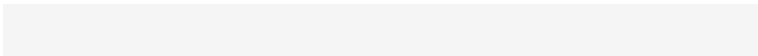
66.9084, 76.0887, 68.4152



33.8821, 35.6625, 19.8502



14.6120, 16.7573, 14.7449



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.



27.9888, 38.0347, 20.6187



46.0514, 66.1685, 29.8497



26.2502, 37.0363, 25.1513



8.6013, 9.5996, 9.0521



12.3512, 23.2773, 3.8420



0.4463, 0.7621, 0.1236

Inverse Universe

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



28.2116, 21.8813, 45.3865



46.4814, 33.2230, 80.3440



30.8731, 23.4188, 38.0404



8.6174, 8.5268, 10.6980



12.2896, 5.6713, 30.5839



0.4394, 0.2056, 0.9648

Previews

White Background



This preview shows how the XYZ color 27.9878, 38.0331, 20.6179 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 27.9878, 38.0331, 20.6179 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 27.9878, 38.0331, 20.6179

Background



This preview shows how black text looks on a background with the XYZ color 27.9878, 38.0331, 20.6179.



This preview shows how white text looks on a background with the XYZ color 27.9878, 38.0331,

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

27.9878, 38.0331, 20.6179

Protanopia

34.8273, 37.6335, 18.7930

Deuteranopia

38.3473, 37.5618, 21.4487



Tritanopia

34.0110, 37.8729, 50.8650

Trichromacy



Original Color

27.9878, 38.0331, 20.6179

Protanomaly

31.7265, 37.3881, 19.4544

Deuteranomaly

33.6301, 37.2353, 21.0374

Tritanomaly

31.3459, 37.6398, 37.5114

Monochromacy



Original Color

27.9878, 38.0331, 20.6179

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

29.7897, 34.5260, 29.5202

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.9878, 38.0331, 20.6179 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(129, 179, 110)` looks like.

```
.text, #text, p{  
    color:rgb(129, 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(129, 179, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 179, 110) }
```

Border

The CSS property to change the border of an element to XYZ 27.9878, 38.0331, 20.6179 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(129, 179, 110) }
```


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

```
.border{ border-color:rgb(129, 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(129, 179, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 179, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 179, 110);  
box-shadow:4px 4px 4px 4px rgb(129, 179,  
110) }
```

Background

The CSS property to change the background color of an element to XYZ 27.9878, 38.0331, 20.6179 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 179, 110) }
```

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

```
.background{ background-color: rgb(129,  
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](#).

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