

Converting Colors

XYZ(27.7247, 43.9577, 21.2108)

Have a look what the booklet for
XYZ(27.7247, 43.9577, 21.2108)
contains.

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Color

**XYZ(27.7247, 43.9577,
21.2108)**

Conversions

Conversions Part 1

Format	Color
Hex	60C66C
RGB	96, 198, 108
RGB Percent	38%, 78%, 42%
CMY	0.6235, 0.2235, 0.5765
CMYK	0.52, 0.00, 0.45, 0.22
HSL	127°, 47%, 58%
HSV	127°, 52%, 78%
XYZ	27.7247, 43.9577, 21.2108
YIQ	157.2420, -31.9020, -49.6140

Conversions

Conversions Part 2

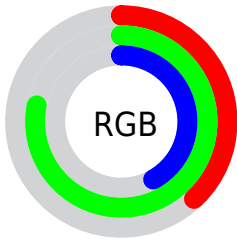
Format	Color
RYB	96, 187, 198
Decimal	6342252
CIELab	72.20, -48.57, 36.13
CIElCh	72, 60.538, 143.358
Yxy	43.9577, 0.2985, 0.4732
Android (android.graphics.Color)	4284532332 (0xFF60C66C)
YUV	157.2420, -24.2763, -53.7092
Hunter-Lab	66.3006, -41.3833, 27.4424

Details

The XYZ color **27.7247, 43.9577, 21.2108** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **36.3358, 23.9174, 49.1568**, and the grayscale version is **32.2739, 33.9547, 36.9767**.

A 20% lighter version of the original color is **55.3299, 80.8655, 46.4106**, and **11.2134, 20.2737, 7.3252** is the 20% darker color. If you saturate the color by 10%, you get **25.0596, 42.6819, 16.7096**, and if you desaturate by 10%, it is **31.1030, 45.5821, 26.7198**.

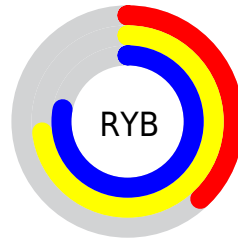
Distribution



Red (38%)

Green (78%)

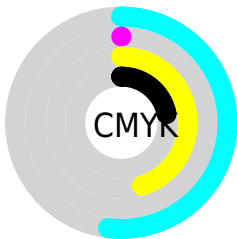
Blue (42%)



Red (38%)

Yellow (73%)

Blue (78%)

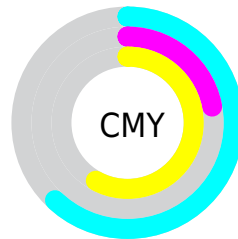


Cyan (52%)

Magenta (0%)

Yellow (45%)

Black (22%)



Cyan (62%)

Magenta (22%)

Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.7247, 43.9577, 21.2108 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 27.7247, 43.9577, 21.2108 by changing the saturation by 10% instead.

■ 27.7247, 43.9577,
21.2108

■ 27.7247, 43.9577,
21.2108

283.2531,
362.5356, 271.2144

■ 18.2576, 30.6373,
13.0854

■ 55.4563, 81.1541,
46.3234

■ 11.2359, 20.3228,
7.3560

■ 74.4516, 105.7988,
64.1478

■ 6.2942, 12.6299,
3.6039

■ 97.3537, 134.9871,
86.0422

■ 3.0671, 7.1742,
1.4107

■ 124.5279,
169.1033, 112.4253

■ 1.1894, 3.5713,
0.1500

156.3395,
208.5319, 143.7155

■ 0.0980, 1.4368,
0.0000

193.1541,

■ 0.0000, 0.2436,

253.6572, 180.3314

0.0000

235.3368,
304.8637, 222.6915

■ 0.0000, 0.0000,
0.0000

■ 27.7247, 43.9577,
21.2108

■ 27.7247, 43.9577,
21.2108

■ 25.0596, 42.6819,
16.7096

■ 31.1030, 45.5821,
26.7198

■ 23.0529, 41.7241,
13.1525

■ 35.2373, 47.5723,
33.2894

■ 21.6475, 41.0574,
10.4730

■ 40.1712, 49.9509,
40.9723

■ 20.7744, 40.6480,
8.5948

■ 45.9439, 52.7370,
49.8167

■ 20.3526, 40.4530,
7.5619

■ 52.5919, 55.9486,
59.8681

■ 60.1496, 59.6025,
71.1694

■ 68.6497, 63.7145,
83.7615

■ 78.1231, 68.2999,
97.6835

■ 79.4850, 68.8699,
103.7117

Harmonies

Analogous

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



34.3563, 43.9577, 12.2277



27.7247, 43.9577, 21.2108



24.9256, 43.9577, 41.5502

Triad

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



27.7247, 43.9577, 21.2108



39.5140, 43.9577, 130.0514



62.9133, 43.9577, 28.5883

Complementary

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



27.7247, 43.9577, 21.2108



36.3358, 23.9174, 49.1568

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.



64.9069, 43.9577, 54.7836



27.7247, 43.9577, 21.2108



50.2038, 43.9577, 121.8553

Square

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



27.7247, 43.9577, 21.2108



30.9646, 43.9577, 109.9382



59.9287, 43.9577, 90.7252



54.8605, 43.9577, 15.0877

Rectangle

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



27.7247, 43.9577, 21.2108



25.2144, 43.9577, 62.3203



59.9287, 43.9577, 90.7252



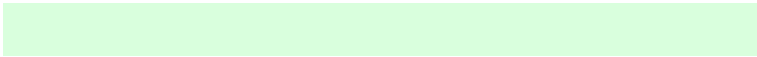
64.3638, 43.9577, 35.8338

Sweetspot

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



27.7258, 43.9595, 21.2118



77.3856, 91.4673, 82.1581



42.5812, 51.6866, 18.7987



16.0941, 19.3511, 16.8660



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.



27.7258, 43.9595, 21.2118



43.8026, 75.3053, 28.5984



31.2684, 45.3766, 39.8671



10.5474, 11.9078, 11.5668



13.2520, 26.3132, 5.0057



0.6448, 1.2529, 0.3285

Inverse Universe

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



36.3358, 23.9174, 49.1568



60.7036, 35.8702, 83.3842



31.8530, 22.1243, 25.5508



11.0273, 10.7943, 13.1270



20.1791, 9.8212, 27.2166



0.9711, 0.4713, 1.3709

Previews

White Background



This preview shows how the XYZ color 27.7247, 43.9577, 21.2108 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 27.7247, 43.9577, 21.2108 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 27.7247, 43.9577, 21.2108

Background



This preview shows how black text looks on a background with the XYZ color 27.7247, 43.9577, 21.2108.



This preview shows how white text looks on a background with the XYZ color 27.7247, 43.9577,

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

27.7247, 43.9577, 21.2108

Protanopia

39.8179, 43.3082, 18.3173

Deuteranopia

43.9611, 43.0920, 22.2202



Tritanopia

35.9022, 43.6565, 62.4114

Trichromacy



Original Color

27.7247, 43.9577, 21.2108



Protanomaly

33.6892, 42.5294, 19.2653



Deuteranomaly

35.4069, 41.8451, 21.5400



Tritanomaly

32.1291, 43.4038, 43.7302

Monochromacy



Original Color

27.7247, 43.9577, 21.2108



Achromatopsia

32.0474, 33.7164, 36.7171



Achromatomaly

29.4044, 36.5200, 29.9254

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.7247, 43.9577, 21.2108 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(96, 198, 108)` looks like.

```
.text, #text, p{  
    color:rgb(96, 198, 108)  
}
```

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(96, 198, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 198, 108) }
```

Border

The CSS property to change the border of an element to XYZ 27.7247, 43.9577, 21.2108 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(96, 198, 108) }
```


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

```
.border{ border-color:rgb(96, 198, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 198, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 198, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 198, 108);  
box-shadow:4px 4px 4px 4px rgb(96, 198,  
108) }
```

Background

The CSS property to change the background color of an element to XYZ 27.7247, 43.9577, 21.2108 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 198, 108) }
```

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

```
.background{ background-color: rgb(96, 198,  
108) }
```

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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