

Converting Colors

XYZ(27.2468, 41.0208, 21.0569)

Have a look what the booklet for
XYZ(27.2468, 41.0208, 21.0569)
contains.

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Color

**XYZ(27.2372, 41.0568,
20.9572)**

Conversions

Conversions Part 1

Format	Color
Hex	6BBE6D
RGB	107, 190, 109
RGB Percent	42%, 75%, 43%
CMY	0.5804, 0.2549, 0.5725
CMYK	0.44, 0.00, 0.43, 0.25
HSL	121°, 39%, 58%
HSV	121°, 44%, 75%
XYZ	27.2372, 41.0568, 20.9572
YIQ	155.9490, -23.4670, -42.7870

Conversions

Conversions Part 2

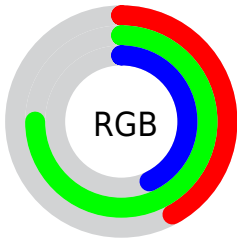
Format	Color
RYB	107, 188, 190
Decimal	7061101
CIELab	70.22, -41.98, 33.17
CIELCh	70, 53.501, 141.681
Yxy	41.0568, 0.3052, 0.4600
Android (android.graphics.Color)	4285251181 (0xFF6BBE6D)
YUV	155.9490, -23.1459, -42.9283
Hunter-Lab	64.0756, -36.2556, 25.4609

Details

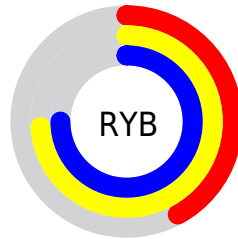
The XYZ color **27.2372, 41.0568, 20.9572** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **35.5713, 25.0942, 50.5473**, and the grayscale version is **31.6856, 33.3357, 36.3026**.

A 20% lighter version of the original color is **54.6826, 76.8115, 46.1265**, and **10.9850, 18.6384, 7.2936** is the 20% darker color. If you saturate the color by 10%, you get **24.3039, 39.6493, 16.1479**, and if you desaturate by 10%, it is **30.8850, 42.8108, 26.9007**.

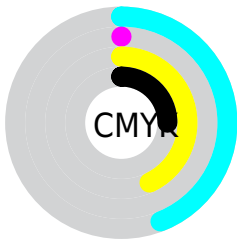
Distribution



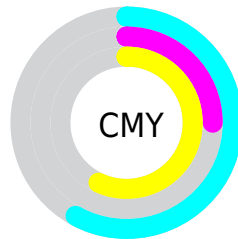
- Red (42%)
- Green (75%)
- Blue (43%)



- Red (42%)
- Yellow (74%)
- Blue (75%)



- Cyan (44%)
- Magenta (0%)
- Yellow (43%)
- Black (25%)



- Cyan (58%)
- Magenta (25%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.2372, 41.0568, 20.9572 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 27.2372, 41.0568, 20.9572 by changing the saturation by 10% instead.

■ 27.2372, 41.0568,
20.9572

■ 27.2372, 41.0568,
20.9572

280.9504,
350.5580, 269.8245

■ 17.8890, 28.3635,
12.9018

■ 54.6815, 76.7701,
45.8962

■ 10.9695, 18.5998,
7.2310

■ 73.5082, 100.5589,
63.6168

■ 6.1135, 11.3815,
3.5264

■ 96.2251, 128.8149,
85.3962

■ 2.9555, 6.3240,
1.3693

■ 123.1977,
161.9226, 111.6530

■ 1.1303, 3.0431,
0.1176

154.7911,
200.2664, 142.8057

■ 0.0502, 1.1543,
0.0000

191.3708,

■ 0.0000, 0.0239,

244.2306, 179.2728

0.0000

233.3021,
294.1997, 221.4729

■ 0.0000, 0.0000,
0.0000

■ 27.2372, 41.0568,
20.9572

■ 27.2372, 41.0568,
20.9572

■ 24.3039, 39.6493,
16.1479

■ 30.8850, 42.8108,
26.9007

■ 22.0355, 38.5605,
12.3983

■ 35.2867, 44.9264,
34.0414

■ 20.3809, 37.7671,
9.6292


■ 40.4824, 47.4244,
42.4408


■ 19.2802, 37.2401,
7.7490


■ 46.5084, 50.3221,
52.1553


■ 18.6616, 36.9449,
6.6492

■ 53.3990, 53.6362,
63.2380

 18.4393, 36.8385,
6.2702

 61.1863, 57.3820,
75.7391

 69.9009, 61.5745,
89.7062

 77.7042, 65.3085,
103.1181

Harmonies

Analogous

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



33.1219, 41.0568, 13.1787



27.2372, 41.0568, 20.9572



24.6091, 41.0568, 38.0776

Triad

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



27.2372, 41.0568, 20.9572



36.6352, 41.0568, 111.4943



56.8740, 41.0568, 29.1372

Complementary

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



27.2372, 41.0568, 20.9572



35.5713, 25.0942, 50.5473

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.



58.1888, 41.0568, 52.0575



27.2372, 41.0568, 20.9572



45.5870, 41.0568, 106.2330

Square

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



27.2372, 41.0568, 20.9572



29.4781, 41.0568, 94.2757



53.7966, 41.0568, 81.8086



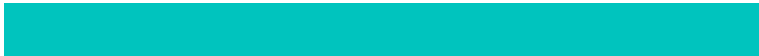
50.4342, 41.0568, 16.5204

Rectangle

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



27.2372, 41.0568, 20.9572



24.7356, 41.0568, 55.2063



53.7966, 41.0568, 81.8086



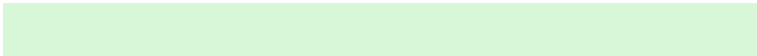
57.9649, 41.0568, 35.6258

Sweetspot

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



27.2382, 41.0585, 20.9581



73.8401, 86.1686, 77.6856



41.9603, 48.6603, 21.0911



15.7205, 18.6843, 16.2613



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



27.2382, 41.0585, 20.9581



44.4406, 72.0394, 29.9195



29.9736, 42.1527, 35.3625



9.4179, 10.6533, 10.1839



12.2648, 24.4962, 4.1913



0.4836, 0.9608, 0.1812

Inverse Universe

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



35.5713, 25.0942, 50.5473



61.4128, 39.5137, 90.1766



31.7697, 23.5736, 30.5285



9.9198, 9.6922, 11.9665



19.9770, 9.6220, 31.5023



0.7857, 0.3782, 1.2507

Previews

White Background



This preview shows how the XYZ color 27.2372, 41.0568, 20.9572 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 27.2372, 41.0568, 20.9572 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

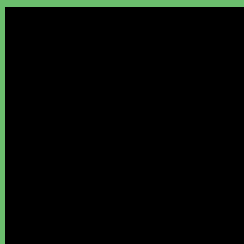
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 27.2372, 41.0568, 20.9572

Background



This preview shows how black text looks on a background with the XYZ color 27.2372, 41.0568, 20.9572.



This preview shows how white text looks on a background with the XYZ color 27.2372, 41.0568,

20.9572.

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

27.2372, 41.0568, 20.9572

Protanopia

37.4547, 40.6499, 18.4425

Deuteranopia

41.0935, 40.2696, 21.8266



Tritanopia

34.6290, 40.9426, 57.7073

Trichromacy



Original Color

27.2372, 41.0568, 20.9572



Protanomaly

32.5707, 40.1298, 19.3938



Deuteranomaly

34.2864, 39.5144, 21.4427



Tritanomaly

31.3125, 40.8129, 41.3493

Monochromacy



Original Color

27.2372, 41.0568, 20.9572



Achromatopsia

31.5995, 33.2452, 36.2040



Achromatomaly

29.1441, 35.2726, 29.6983

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.2372, 41.0568, 20.9572 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(107, 190, 109)` looks like.

```
.text, #text, p{  
    color:rgb(107, 190, 109)  
}
```

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(107, 190, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 190, 109) }
```

Border

The CSS property to change the border of an element to XYZ 27.2372, 41.0568, 20.9572 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(107, 190, 109) }
```


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

```
.border{ border-color:rgb(107, 190, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 190, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 190, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 190, 109);  
box-shadow:4px 4px 4px 4px rgb(107, 190,  
109) }
```

Background

The CSS property to change the background color of an element to XYZ 27.2372, 41.0568, 20.9572 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 190, 109) }
```

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

```
.background{ background-color: rgb(107,  
190, 109) }
```

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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