

Converting Colors

XYZ(27.2679, 40.7494, 20.1315)

Have a look what the booklet for
XYZ(27.2679, 40.7494, 20.1315)
contains.

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Color

**XYZ(27.2295, 40.7508,
20.0662)**

Conversions

Conversions Part 1

Format	Color
Hex	6EBD6A
RGB	110, 189, 106
RGB Percent	43%, 74%, 42%
CMY	0.5686, 0.2588, 0.5843
CMYK	0.42, 0.00, 0.44, 0.26
HSL	117°, 39%, 58%
HSV	117°, 44%, 74%
XYZ	27.2295, 40.7508, 20.0662
YIQ	155.9170, -20.4410, -42.5610

Conversions

Conversions Part 2

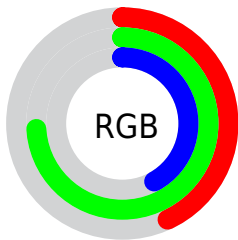
Format	Color
RYB	106, 189, 185
Decimal	7257450
CIELab	70.00, -41.08, 34.46
CIELCh	70, 53.622, 140.007
Yxy	40.7508, 0.3093, 0.4628
Android (android.graphics.Color)	4285447530 (0xFF6EBD6A)
YUV	155.9170, -24.6091, -40.2692
Hunter-Lab	63.8364, -35.5742, 26.0483

Details

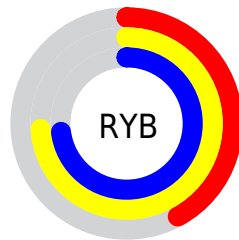
The XYZ color **27.2295, 40.7508, 20.0662** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **34.3489, 24.2978, 51.0259**, and the grayscale version is **31.6766, 33.3262, 36.2923**.

A 20% lighter version of the original color is **54.6444, 76.3795, 44.2104**, and **10.9780, 18.4356, 6.8507** is the 20% darker color. If you saturate the color by 10%, you get **24.3376, 39.3625, 15.3537**, and if you desaturate by 10%, it is **30.7945, 42.4635, 25.9427**.

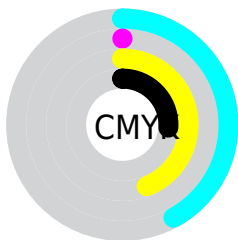
Distribution



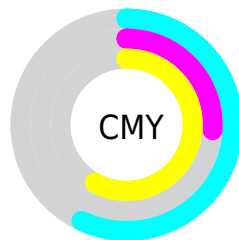
- Red (43%)
- Green (74%)
- Blue (42%)



- Red (42%)
- Yellow (74%)
- Blue (73%)



- Cyan (42%)
- Magenta (0%)
- Yellow (44%)
- Black (26%)



- Cyan (57%)
- Magenta (26%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.2295, 40.7508, 20.0662 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 27.2295, 40.7508, 20.0662 by changing the saturation by 10% instead.

■ 27.2295, 40.7508,
20.0662

■ 27.2295, 40.7508,
20.0662

280.9139,
349.2780, 264.8894

■ 17.8831, 28.1244,
12.2586

■ 54.6692, 76.3055,
44.3886

■ 10.9653, 18.4195,
6.7954

■ 73.4933, 100.0025,
61.7404

■ 6.1106, 11.2516,
3.2580

■ 96.2073, 128.1586,
83.1108

■ 2.9538, 6.2363,
1.2278

■ 123.1766,
161.1581, 108.9183

■ 1.1294, 2.9893,
0.0015

154.7666,
199.3854, 139.5813

■ 0.0495, 1.1261,
0.0000

191.3425,

■ 0.0000, 0.0001,

243.2249, 175.5185

0.0000

233.2699,
293.0609, 217.1483

■ 0.0000, 0.0000,
0.0000

■ 27.2295, 40.7508,
20.0662

■ 27.2295, 40.7508,
20.0662

■ 24.3376, 39.3625,
15.3537

■ 30.7945, 42.4635,
25.9427

■ 22.0736, 38.2733,
11.7252

■ 35.0680, 44.5136,
33.0504

■ 20.3918, 37.4628,
9.0954


■ 40.0864, 46.9199,
41.4548


■ 19.2387, 36.9055,
7.3648

■ 45.8830, 49.6981,
51.2160


■ 18.5513, 36.5714,
6.4133

■ 52.4889, 52.8631,
62.3901

 18.3124, 36.4556,
6.0715

 59.9335, 56.4288,
75.0304

 68.2447, 60.4087,
89.1872

 77.0922, 64.6726,
103.0276

 77.4884, 64.8768,
103.0461

Harmonies

Analogous

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



33.2616, 40.7508, 12.7674



27.2295, 40.7508, 20.0662



24.4252, 40.7508, 36.5306

Triad

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



27.2295, 40.7508, 20.0662



35.8883, 40.7508, 110.6670



56.7705, 40.7508, 29.8548

Complementary

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



27.2295, 40.7508, 20.0662



34.3489, 24.2978, 51.0259

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.



57.7560, 40.7508, 53.2592



27.2295, 40.7508, 20.0662



44.7724, 40.7508, 106.7153

Square

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



27.2295, 40.7508, 20.0662



28.9029, 40.7508, 92.4117



53.0895, 40.7508, 83.0565



50.5705, 40.7508, 16.7652

Rectangle

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



27.2295, 40.7508, 20.0662



24.4257, 40.7508, 53.2722



53.0895, 40.7508, 83.0565



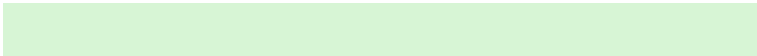
57.7551, 40.7508, 36.5205

Sweetspot

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



27.2305, 40.7525, 20.0671



72.4795, 84.3596, 75.3978



40.9072, 46.4967, 20.4550



15.1287, 17.9218, 15.4455



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



27.2305, 40.7525, 20.0671



43.6178, 70.5100, 27.5475



29.1273, 41.4550, 32.5935



9.4502, 10.6710, 10.1383



12.3393, 24.5370, 4.0858



0.4981, 0.9687, 0.1607

Inverse Universe

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



34.3489, 24.2978, 51.0259



58.0330, 37.1271, 90.3338



31.7806, 23.3835, 32.3955



9.8833, 9.6722, 12.0182



18.8472, 9.0021, 33.1371



0.7523, 0.3599, 1.2987

Previews

White Background



This preview shows how the XYZ color 27.2295, 40.7508, 20.0662 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 27.2295, 40.7508, 20.0662 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 27.2295, 40.7508, 20.0662

Background



This preview shows how black text looks on a background with the XYZ color 27.2295, 40.7508, 20.0662.



This preview shows how white text looks on a background with the XYZ color 27.2295, 40.7508,

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

27.2295, 40.7508, 20.0662

Protanopia

36.8766, 40.0894, 17.5988

Deuteranopia

40.9237, 40.2016, 20.9320



Tritanopia

34.4981, 40.6025, 56.4709

Trichromacy



Original Color

27.2295, 40.7508, 20.0662



Protanomaly

32.2210, 39.6727, 18.5297



Deuteranomaly

34.1446, 39.1769, 20.5141



Tritanomaly

31.2517, 40.5051, 39.8893

Monochromacy



Original Color

27.2295, 40.7508, 20.0662



Achromatopsia

31.5995, 33.2452, 36.2040



Achromatomaly

29.2375, 35.3292, 29.3230

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.2295, 40.7508, 20.0662 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(110, 189, 106)` looks like.

```
.text, #text, p{  
    color:rgb(110, 189, 106)  
}
```

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(110, 189, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 189, 106) }
```

Border

The CSS property to change the border of an element to XYZ 27.2295, 40.7508, 20.0662 is called "border". The border property can be set on classes, ids or directly on the HTML element.

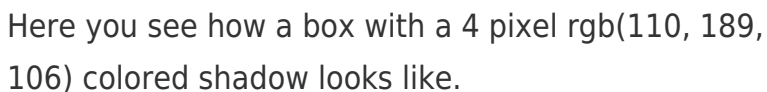
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(110, 189, 106) }
```


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

```
.border{ border-color:rgb(110, 189, 106) }
```

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



Here you see how a box with a 4 pixel `rgb(110, 189, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(110, 189, 106); -webkit-box-shadow:4px 4px 4px 4px rgb(110, 189, 106); box-shadow:4px 4px 4px 4px rgb(110, 189, 106) }
```

Background

The CSS property to change the background color of an element to XYZ 27.2295, 40.7508, 20.0662 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 189, 106) }
```

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

```
.background{ background-color: rgb(110,  
189, 106) }
```

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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