

Converting Colors

XYZ(13.0965, 19.7082, 8.2684)

Have a look what the booklet for
XYZ(13.0965, 19.7082, 8.2684)
contains.

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Color

**XYZ(13.0958, 19.7071,
8.2679)**

Conversions

Conversions Part 1

Format	Color
Hex	508842
RGB	80, 136, 66
RGB Percent	31%, 53%, 26%
CMY	0.6863, 0.4667, 0.7412
CMYK	0.41, 0.00, 0.51, 0.47
HSL	108°, 35%, 40%
HSV	108°, 51%, 53%
XYZ	13.0958, 19.7071, 8.2679
YIQ	111.2760, -10.9060, -33.6420

Conversions

Conversions Part 2

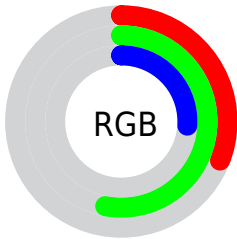
Format	Color
RYB	66, 136, 122
Decimal	5277762
CIELab	51.50, -32.72, 31.70
CIELCh	52, 45.555, 135.912
Yxy	19.7071, 0.3189, 0.4798
Android (android.graphics.Color)	4283467842 (0xFF508842)
YUV	111.2760, -22.3211, -27.4291
Hunter-Lab	44.3927, -25.0299, 20.0324

Details

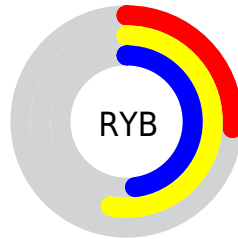
The XYZ color **13.0958, 19.7071, 8.2679** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **14.4191, 9.8122, 24.4275**, and the grayscale version is **15.2552, 16.0497, 17.4781**.

A 20% lighter version of the original color is **31.0816, 42.9934, 23.1834**, and **3.9242, 6.9495, 1.7506** is the 20% darker color. If you saturate the color by 10%, you get **11.8962, 19.1302, 6.3620**, and if you desaturate by 10%, it is **14.5405, 20.4005, 10.6839**.

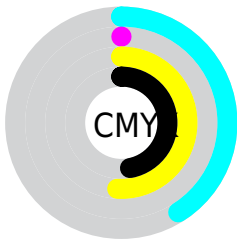
Distribution



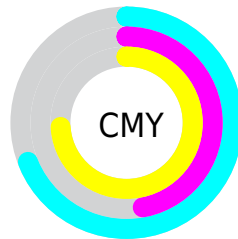
- Red (31%)
- Green (53%)
- Blue (26%)



- Red (26%)
- Yellow (53%)
- Blue (48%)



- Cyan (41%)
- Magenta (0%)
- Yellow (51%)
- Black (47%)



- Cyan (69%)
- Magenta (47%)
- Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.0958, 19.7071, 8.2679 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 13.0958, 19.7071, 8.2679 by changing the saturation by 10% instead.

■ 13.0958, 19.7071,
8.2679

■ 13.0958, 19.7071,
8.2679

205.1559,
250.3250, 187.8308

■ 7.5720, 12.1823,
4.1766

■ 31.0756, 42.9256,
23.0368

■ 3.8718, 6.8680,
1.7227

■ 44.2624, 59.3880,
34.5514

■ 1.6299, 3.3797,
0.3762

■ 60.7342, 79.5985,
49.3776

■ 0.4118, 1.3330,
0.0000

■ 80.8563, 103.9414,
67.9339

■ 0.0000, 0.1665,
0.0000

■ 104.9942,
132.8011, 90.6389

■ 0.0000, 0.0000,
0.0000

133.5132,

166.5620, 117.9110

166.7787,
205.6085, 150.1688

■ 13.0958, 19.7071,
8.2679

■ 13.0958, 19.7071,
8.2679

■ 11.8962, 19.1302,
6.3620

■ 14.5405, 20.4005,
10.6839

■ 10.9264, 18.6610,
4.9283

■ 16.2418, 21.2138,
13.6417

■ 10.1711, 18.2930,
3.9260

■ 18.2121, 22.1535,
17.1718

■ 9.6129, 18.0184,
3.3064

■ 20.4626, 23.2245,
21.3021

■ 9.2618, 17.8448,
2.9562

■ 23.0037, 24.4319,
26.0589

■ 25.8456, 25.7802,
31.4666

■ 28.9976, 27.2738,
37.5486

■ 32.4690, 28.9169,
44.3269

■ 36.2682, 30.7135,
51.8226

Harmonies

Analogous

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



16.4210, 19.7071, 5.2033



13.0958, 19.7071, 8.2679



11.4281, 19.7071, 15.8905

Triad

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



13.0958, 19.7071, 8.2679



16.6701, 19.7071, 56.3476



28.5294, 19.7071, 15.2646

Complementary

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



13.0958, 19.7071, 8.2679



14.4191, 9.8122, 24.4275

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.



28.6255, 19.7071, 28.1934



13.0958, 19.7071, 8.2679



21.2481, 19.7071, 55.9533

Square

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



13.0958, 19.7071, 8.2679



13.2525, 19.7071, 45.1201



25.7875, 19.7071, 44.1954



25.5431, 19.7071, 7.9711

Rectangle

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



13.0958, 19.7071, 8.2679



11.2721, 19.7071, 24.1591



25.7875, 19.7071, 44.1954



28.9155, 19.7071, 18.9656

Sweetspot

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



13.0963, 19.7079, 8.2683



34.4710, 40.1711, 34.6047



18.0970, 19.5475, 7.9738



7.8141, 9.2228, 7.7039



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



13.0963, 19.7079, 8.2683



20.6133, 33.5425, 10.6763



12.7718, 19.4555, 12.0994



5.0592, 5.6533, 5.3769



8.7722, 16.8922, 2.7982



0.0681, 0.1173, 0.0190

Inverse Universe

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



14.4191, 9.8122, 24.4275



23.1825, 14.0136, 42.5314



15.1968, 10.3690, 17.4209



5.1376, 5.0793, 6.3155



10.1597, 4.7517, 22.4274



0.0790, 0.0375, 0.1495

Previews

White Background



This preview shows how the XYZ color 13.0958, 19.7071, 8.2679 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 13.0958, 19.7071, 8.2679 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 × Fail

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

XYZ 13.0958, 19.7071, 8.2679

Background



This preview shows how black text looks on a background with the XYZ color 13.0958, 19.7071, 8.2679.



This preview shows how white text looks on a background with the XYZ color 13.0958, 19.7071,

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

13.0958, 19.7071, 8.2679

Protanopia

17.7935, 19.4069, 7.2230

Deuteranopia

19.8930, 19.5671, 8.6896



Tritanopia

16.8208, 19.6005, 26.9415

Trichromacy



Original Color

13.0958, 19.7071, 8.2679

Protanomaly

15.5568, 19.1825, 7.5853

Deuteranomaly

16.5940, 19.1301, 8.4481

Tritanomaly

15.0654, 19.4772, 18.2947

Monochromacy



Original Color

13.0958, 19.7071, 8.2679

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

14.0376, 16.9685, 13.3619

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.0958, 19.7071, 8.2679 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(80, 136, 66)` looks like.

```
.text, #text, p{  
    color:rgb(80, 136, 66)  
}
```

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(80, 136, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 136, 66) }
```

Border

The CSS property to change the border of an element to XYZ 13.0958, 19.7071, 8.2679 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(80, 136, 66) }
```


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

```
.border{ border-color:rgb(80, 136, 66) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 136, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 136, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 136, 66);  
box-shadow:4px 4px 4px 4px rgb(80, 136,  
66) }
```

Background

The CSS property to change the background color of an element to XYZ 13.0958, 19.7071, 8.2679 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 136, 66) }
```

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

```
.background{ background-color: rgb(80, 136,  
66) }
```

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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