

Converting Colors

XYZ(13.0919, 20.9578, 10.1927)

Have a look what the booklet for
XYZ(13.0919, 20.9578, 10.1927)
contains.

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Color

**XYZ(13.0919, 20.9578,
10.1927)**

Conversions

Conversions Part 1

Format	Color
Hex	408E4C
RGB	64, 142, 76
RGB Percent	25%, 56%, 30%
CMY	0.7490, 0.4431, 0.7020
CMYK	0.55, 0.00, 0.46, 0.44
HSL	129°, 38%, 40%
HSV	129°, 55%, 56%
XYZ	13.0919, 20.9578, 10.1927
YIQ	111.1540, -25.3020, -37.0620

Conversions

Conversions Part 2

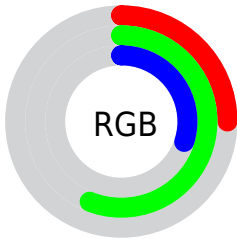
Format	Color
RYB	64, 132, 142
Decimal	4230732
CIELab	52.90, -38.78, 27.99
CIElCh	53, 47.821, 144.179
Yxy	20.9578, 0.2959, 0.4737
Android (android.graphics.Color)	4282420812 (0xFF408E4C)
YUV	111.1540, -17.3309, -41.3541
Hunter-Lab	45.7797, -29.0677, 18.8451

Details

The XYZ color **13.0919, 20.9578, 10.1927** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **17.0187, 11.0298, 22.3520**, and the grayscale version is **15.2087, 16.0007, 17.4248**.

A 20% lighter version of the original color is **30.9770, 44.8378, 26.7606**, and **3.9629, 7.5709, 2.4149** is the 20% darker color. If you saturate the color by 10%, you get **11.9040, 20.3899, 8.1566**, and if you desaturate by 10%, it is **14.5940, 21.6799, 12.6517**.

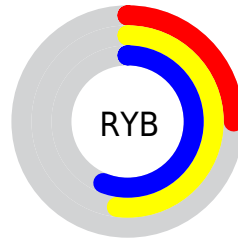
Distribution



Red (25%)

Green (56%)

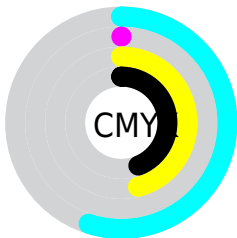
Blue (30%)



Red (25%)

Yellow (52%)

Blue (56%)

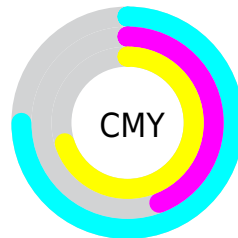


Cyan (55%)

Magenta (0%)

Yellow (46%)

Black (44%)



Cyan (75%)

Magenta (44%)

Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.0919, 20.9578, 10.1927 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 13.0919, 20.9578, 10.1927 by changing the saturation by 10% instead.

■ 13.0919, 20.9578,
10.1927

■ 13.0919, 20.9578,
10.1927

205.1315,
257.0541, 202.5765

■ 7.5693, 13.0932,
5.4196

■ 31.0687, 45.0173,
26.7708

■ 3.8701, 7.4927,
2.4325

■ 44.2536, 61.9809,
39.4129

■ 1.6289, 3.7721,
0.8041

■ 60.7233, 82.7464,
55.5151

■ 0.4111, 1.5469,
0.0000

■ 80.8432, 107.6980,
75.4959

■ 0.0000, 0.3214,
0.0000

■ 104.9786,
137.2202, 99.7739

■ 0.0000, 0.0000,
0.0000

133.4949,

171.6973, 128.7677

166.7574,
211.5139, 162.8957

■ 13.0919, 20.9578,
10.1927

■ 13.0919, 20.9578,
10.1927

■ 11.9040, 20.3899,
8.1566

■ 14.5940, 21.6799,
12.6517

■ 11.0063, 19.9624,
6.5184

■ 16.4292, 22.5636,
15.5543

■ 10.3735, 19.6635,
5.2522

■ 18.6164, 23.6189,
18.9211

■ 9.9724, 19.4768,
4.3286

■ 21.1731, 24.8544,
22.7715

■ 9.8167, 19.4041,
3.9793

■ 24.1152, 26.2778,
27.1234

■ 27.4578, 27.8966,
31.9940

■ 31.2153, 29.7179,
37.3996

■ 35.4013, 31.7484,
43.3558

■ 40.0287, 33.9944,
49.8775

Harmonies

Analogous

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



16.2328, 20.9578, 5.7817



13.0919, 20.9578, 10.1927



11.7987, 20.9578, 20.1372

Triad

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



13.0919, 20.9578, 10.1927



18.9598, 20.9578, 62.6790



30.0503, 20.9578, 13.2910

Complementary

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



13.0919, 20.9578, 10.1927



17.0187, 11.0298, 22.3520

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.



31.1076, 20.9578, 25.7299



13.0919, 20.9578, 10.1927



24.1266, 20.9578, 58.3211

Square

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



13.0919, 20.9578, 10.1927



14.8024, 20.9578, 53.2512



28.7849, 20.9578, 43.0453



26.0985, 20.9578, 6.9745

Rectangle

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



13.0919, 20.9578, 10.1927



11.9713, 20.9578, 30.2573



28.7849, 20.9578, 43.0453



30.7810, 20.9578, 16.7129

Sweetspot

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



13.0924, 20.9587, 10.1932



36.6624, 43.5014, 39.1485



19.8513, 24.4868, 8.5309



8.0025, 9.6262, 8.4651



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



13.0924, 20.9587, 10.1932



20.5585, 35.7480, 13.6141



14.8653, 21.6678, 19.5288



5.3746, 6.0421, 5.9386



8.8184, 17.4232, 3.5976



0.0895, 0.1686, 0.0616

Inverse Universe

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



17.0187, 11.0298, 22.3520



28.2049, 16.3476, 37.2460



14.8907, 10.1785, 11.1458



5.5911, 5.4970, 6.6107



13.0735, 6.3864, 16.5702



0.1312, 0.0636, 0.1912

Previews

White Background



This preview shows how the XYZ color 13.0919, 20.9578, 10.1927 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 13.0919, 20.9578, 10.1927 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 13.0919, 20.9578, 10.1927

Background



This preview shows how black text looks on a background with the XYZ color 13.0919, 20.9578, 10.1927.



This preview shows how white text looks on a background with the XYZ color 13.0919, 20.9578,

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

13.0919, 20.9578, 10.1927

Protanopia

19.0476, 20.7672, 8.7989

Deuteranopia

20.9642, 20.6063, 10.6571



Tritanopia

17.0293, 20.8439, 29.9138

Trichromacy



Original Color

13.0919, 20.9578, 10.1927

Protanomaly

15.9765, 20.3499, 9.2168

Deuteranomaly

16.7382, 19.9248, 10.3608

Tritanomaly

15.2375, 20.7432, 20.9700

Monochromacy



Original Color

13.0919, 20.9578, 10.1927

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

13.7802, 17.1806, 14.1452

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.0919, 20.9578, 10.1927 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(64, 142, 76)` looks like.

```
.text, #text, p{  
    color:rgb(64, 142, 76)  
}
```

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(64, 142, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 142, 76) }
```

Border

The CSS property to change the border of an element to XYZ 13.0919, 20.9578, 10.1927 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(64, 142, 76) }
```


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

```
.border{ border-color:rgb(64, 142, 76) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 142, 76)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 142, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 142, 76);  
box-shadow:4px 4px 4px 4px rgb(64, 142,  
76) }
```

Background

The CSS property to change the background color of an element to XYZ 13.0919, 20.9578, 10.1927 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 142, 76) }
```

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

```
.background{ background-color: rgb(64, 142,  
76) }
```

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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