

Converting Colors

XYZ(13.3226, 20.0676, 9.3660)

Have a look what the booklet for
XYZ(13.3226, 20.0676, 9.3660)
contains.

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Color

**XYZ(13.2572, 19.9789,
9.2885)**

Conversions

Conversions Part 1

Format	Color
Hex	4E8948
RGB	78, 137, 72
RGB Percent	31%, 54%, 28%
CMY	0.6941, 0.4627, 0.7176
CMYK	0.43, 0.00, 0.47, 0.46
HSL	114°, 31%, 41%
HSV	114°, 47%, 54%
XYZ	13.2572, 19.9789, 9.2885
YIQ	111.9490, -14.2990, -32.7230

Conversions

Conversions Part 2

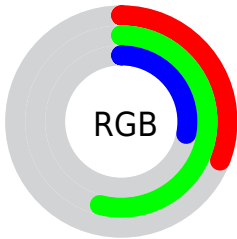
Format	Color
RYB	72, 137, 131
Decimal	5146952
CIELab	51.81, -33.00, 28.88
CIElCh	52, 43.848, 138.808
Yxy	19.9789, 0.3118, 0.4698
Android (android.graphics.Color)	4283337032 (0xFF4E8948)
YUV	111.9490, -19.6949, -29.7733
Hunter-Lab	44.6978, -25.2786, 18.9676

Details

The XYZ color **13.2572, 19.9789, 9.2885** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **16.1939, 11.2669, 24.9892**, and the grayscale version is **15.4455, 16.2498, 17.6961**.

A 20% lighter version of the original color is **31.3496, 43.4126, 25.1395**, and **3.9042, 6.9324, 2.0520** is the 20% darker color. If you saturate the color by 10%, you get **11.9350, 19.3439, 7.1480**, and if you desaturate by 10%, it is **14.8728, 20.7548, 11.9635**.

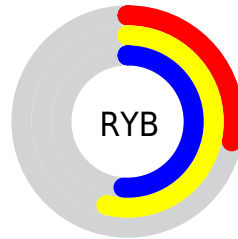
Distribution



Red (31%)

Green (54%)

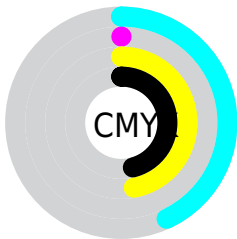
Blue (28%)



Red (28%)

Yellow (54%)

Blue (51%)

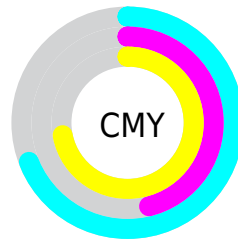


Cyan (43%)

Magenta (0%)

Yellow (47%)

Black (46%)



Cyan (69%)

Magenta (46%)

Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.2572, 19.9789, 9.2885 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 13.2572, 19.9789, 9.2885 by changing the saturation by 10% instead.

■ 13.2572, 19.9789,
9.2885

■ 13.2572, 19.9789,
9.2885

206.1640,
251.8009, 195.8124

■ 7.6841, 12.3797,
4.8305

■ 31.3625, 43.3818,
25.0349

■ 3.9436, 7.0028,
2.0911

■ 44.6254, 59.9543,
37.1603

■ 1.6703, 3.4639,
0.6105

■ 61.1823, 80.2867,
52.6787

■ 0.4376, 1.3784,
0.0000

■ 81.3985, 104.7634,
72.0084

■ 0.0000, 0.2007,
0.0000

■ 105.6394,
133.7687, 95.5681

■ 0.0000, 0.0000,
0.0000

134.2704,

167.6872, 123.7763

167.6568,
206.9031, 157.0515

■ 13.2572, 19.9789,
9.2885

■ 13.2572, 19.9789,
9.2885

■ 11.9350, 19.3439,
7.1480

■ 14.8728, 20.7548,
11.9635

■ 10.8870, 18.8389,
5.5050

■ 16.7963, 21.6767,
15.2043

■ 10.0943, 18.4557,
4.3198


■ 19.0433, 22.7525,
19.0411


■ 9.5347, 18.1837,
3.5459


■ 21.6277, 23.9887,
23.5018

■ 9.1759, 18.0084,
3.0929


■ 24.5626, 25.3916,
28.6125

 9.1068, 17.9750,
2.9895

 27.8604, 26.9671,
34.3976

 31.5330, 28.7207,
40.8806

 35.5917, 30.6578,
48.0835

 40.0474, 32.7836,
56.0276

Harmonies

Analogous

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



16.3653, 19.9789, 5.8373



13.2572, 19.9789, 9.2885



11.7793, 19.9789, 17.3407

Triad

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



13.2572, 19.9789, 9.2885



17.3785, 19.9789, 55.6784



28.2818, 19.9789, 14.7786

Complementary

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



13.2572, 19.9789, 9.2885



16.1939, 11.2669, 24.9892

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.



28.6667, 19.9789, 26.8581



13.2572, 19.9789, 9.2885



21.8799, 19.9789, 54.1188

Square

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



13.2572, 19.9789, 9.2885



13.8990, 19.9789, 45.8573



26.1733, 19.9789, 42.1807



25.1917, 19.9789, 8.0450

Rectangle

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



13.2572, 19.9789, 9.2885



11.7344, 19.9789, 25.7207



26.1733, 19.9789, 42.1807



28.7480, 19.9789, 18.2170

Sweetspot

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



13.2577, 19.9797, 9.2889



35.4868, 41.4065, 36.4802



19.5365, 21.8859, 9.3259



7.7710, 9.1971, 7.8579



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.



13.2577, 19.9797, 9.2889



21.2019, 34.5577, 12.5288



13.8234, 20.1518, 14.7170



5.0119, 5.6289, 5.3747



8.4878, 16.7456, 2.7849



0.0612, 0.1137, 0.0187

Inverse Universe

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



16.1939, 11.2669, 24.9892



27.1091, 16.9554, 44.2271



15.5039, 11.1013, 16.3653



5.1891, 5.1059, 6.3179



12.0025, 5.7016, 22.5136



0.0859, 0.0411, 0.1498

Previews

White Background



This preview shows how the XYZ color 13.2572, 19.9789, 9.2885 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 13.2572, 19.9789, 9.2885 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 13.2572, 19.9789, 9.2885

Background



This preview shows how black text looks on a background with the XYZ color 13.2572, 19.9789, 9.2885.



This preview shows how white text looks on a background with the XYZ color 13.2572, 19.9789,

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

13.2572, 19.9789, 9.2885

Protanopia

18.0878, 19.7221, 8.1636

Deuteranopia

19.9136, 19.5543, 9.7460



Tritanopia

16.8983, 19.8181, 27.7456

Trichromacy



Original Color

13.2572, 19.9789, 9.2885

Protanomaly

15.7328, 19.4454, 8.5544

Deuteranomaly

16.6460, 19.1343, 9.4726

Tritanomaly

15.1835, 19.7188, 19.2255

Monochromacy



Original Color

13.2572, 19.9789, 9.2885

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

14.2506, 17.2471, 13.8872

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.2572, 19.9789, 9.2885 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(78, 137, 72)` looks like.

```
.text, #text, p{  
    color:rgb(78, 137, 72)  
}
```

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(78, 137, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 137, 72) }
```

Border

The CSS property to change the border of an element to XYZ 13.2572, 19.9789, 9.2885 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(78, 137, 72) }
```


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

```
.border{ border-color:rgb(78, 137, 72) }
```

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

Here you see how a box with a 4 pixel rgb(78, 137, 72) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 137, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 137, 72);  
box-shadow:4px 4px 4px 4px rgb(78, 137,  
72) }
```

Background

The CSS property to change the background color of an element to XYZ 13.2572, 19.9789, 9.2885 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 137, 72) }
```

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

```
.background{ background-color: rgb(78, 137,  
72) }
```

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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