

Converting Colors

XYZ(13.3104, 20.1756, 10.2694)

Have a look what the booklet for
XYZ(13.3104, 20.1756, 10.2694)
contains.

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Color

**XYZ(13.3297, 20.2086,
10.2193)**

Conversions

Conversions Part 1

Format	Color
Hex	4B8A4D
RGB	75, 138, 77
RGB Percent	29%, 54%, 30%
CMY	0.7059, 0.4588, 0.6980
CMYK	0.46, 0.00, 0.44, 0.46
HSL	122°, 30%, 42%
HSV	122°, 46%, 54%
XYZ	13.3297, 20.2086, 10.2193
YIQ	112.2090, -17.9670, -32.3270

Conversions

Conversions Part 2

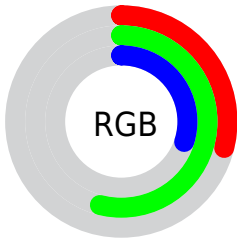
Format	Color
RYB	75, 136, 138
Decimal	4950605
CIELab	52.07, -33.64, 26.48
CIElCh	52, 42.809, 141.796
Yxy	20.2086, 0.3046, 0.4618
Android (android.graphics.Color)	4283140685 (0xFF4B8A4D)
YUV	112.2090, -17.3580, -32.6323
Hunter-Lab	44.9540, -25.7408, 17.9895

Details

The XYZ color **13.3297, 20.2086, 10.2193** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **17.4419, 12.2134, 24.7314**, and the grayscale version is **15.5161, 16.3242, 17.7770**.

A 20% lighter version of the original color is **31.4328, 43.7436, 26.8654**, and **3.9648, 7.0747, 2.4529** is the 20% darker color. If you saturate the color by 10%, you get **11.9409, 19.5423, 7.9396**, and if you desaturate by 10%, it is **15.0506, 21.0361, 13.0214**.

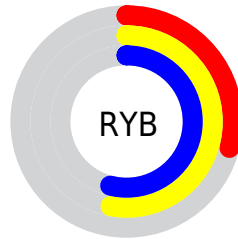
Distribution



Red (29%)

Green (54%)

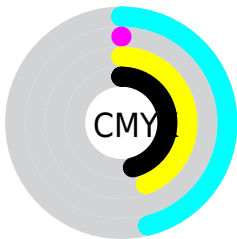
Blue (30%)



Red (29%)

Yellow (53%)

Blue (54%)

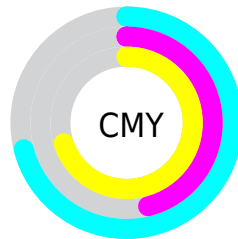


Cyan (46%)

Magenta (0%)

Yellow (44%)

Black (46%)



Cyan (71%)

Magenta (46%)

Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.3297, 20.2086, 10.2193 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 13.3297, 20.2086, 10.2193 by changing the saturation by 10% instead.

■ 13.3297, 20.2086,
10.2193

■ 13.3297, 20.2086,
10.2193

206.6152,
253.0422, 202.7715

■ 7.7345, 12.5468,
5.4371

■ 31.4911, 43.7666,
26.8214

■ 3.9759, 7.1172,
2.4428

■ 44.7881, 60.4316,
39.4784

■ 1.6885, 3.5355,
0.8096

■ 61.3831, 80.8665,
55.5974

■ 0.4491, 1.4173,
0.0000

■ 81.6414, 105.4556,
75.5970

■ 0.0000, 0.2294,
0.0000

■ 105.9284,
134.5833, 99.8956

■ 0.0000, 0.0000,
0.0000

134.6095,

168.6340, 128.9119

168.0499,
207.9922, 163.0643

■ 13.3297, 20.2086,
10.2193

■ 13.3297, 20.2086,
10.2193

■ 11.9409, 19.5423,
7.9396

■ 15.0506, 21.0361,
13.0214

■ 10.8614, 19.0243,
6.1487

■ 17.1216, 22.0317,
16.3739

■ 10.0680, 18.6441,
4.8114


■ 19.5609, 23.2047,
20.3047


■ 9.5336, 18.3884,
3.8869


■ 22.3853, 24.5633,
24.8391


■ 9.2198, 18.2388,
3.3272


■ 25.6105, 26.1151,
30.0011

 9.1129, 18.1873,
3.1561

 29.2513, 27.8671,
35.8134

 33.3216, 29.8261,
42.2973

 37.8349, 31.9986,
49.4736

 42.8039, 34.3908,
57.3617

Harmonies

Analogous

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



16.2521, 20.2086, 6.3642



13.3297, 20.2086, 10.2193



12.0303, 20.2086, 18.7437

Triad

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



13.3297, 20.2086, 10.2193



18.0328, 20.2086, 55.4734



28.1190, 20.2086, 14.2198

Complementary

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



13.3297, 20.2086, 10.2193



17.4419, 12.2134, 24.7314

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.



28.7882, 20.2086, 25.6215



13.3297, 20.2086, 10.2193



22.5014, 20.2086, 52.7861

Square

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



13.3297, 20.2086, 10.2193



14.4632, 20.2086, 46.8653



26.6005, 20.2086, 40.5065



24.8905, 20.2086, 7.9883

Rectangle

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



13.3297, 20.2086, 10.2193



12.0975, 20.2086, 27.3020



26.6005, 20.2086, 40.5065



28.6685, 20.2086, 17.4395

Sweetspot

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



13.3302, 20.2094, 10.2198



35.1115, 41.2054, 36.8075



20.6676, 24.0001, 10.2000



7.6782, 9.1473, 7.9387



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.



13.3302, 20.2094, 10.2198



20.9343, 34.3912, 13.8083



14.6736, 20.7468, 17.2938



4.9779, 5.6106, 5.4045



8.3559, 16.6750, 2.8991



0.0562, 0.1111, 0.0231

Inverse Universe

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



17.4419, 12.2134, 24.7314



29.1430, 18.4195, 42.7739



15.5709, 11.4650, 14.8790



5.2271, 5.1263, 6.2844



13.5318, 6.5228, 21.1025



0.0909, 0.0437, 0.1455

Previews

White Background



This preview shows how the XYZ color 13.3297, 20.2086, 10.2193 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 13.3297, 20.2086, 10.2193 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 13.3297, 20.2086, 10.2193

Background



This preview shows how black text looks on a background with the XYZ color 13.3297, 20.2086, 10.2193.



This preview shows how white text looks on a background with the XYZ color 13.3297, 20.2086,

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

13.3297, 20.2086, 10.2193

Protanopia

18.3690, 20.0341, 9.0297

Deuteranopia

20.2142, 19.8620, 10.7510



Tritanopia

16.9485, 20.2304, 28.2109

Trichromacy



Original Color

13.3297, 20.2086, 10.2193

Protanomaly

15.8963, 19.7056, 9.4443

Deuteranomaly

16.6667, 19.3114, 10.4385

Tritanomaly

15.3624, 20.1972, 20.2283

Monochromacy



Original Color

13.3297, 20.2086, 10.2193

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

14.2351, 17.2282, 14.3795

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.3297, 20.2086, 10.2193 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(75, 138, 77)` looks like.

```
.text, #text, p{  
    color:rgb(75, 138, 77)  
}
```

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(75, 138, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 138, 77) }
```

Border

The CSS property to change the border of an element to XYZ 13.3297, 20.2086, 10.2193 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(75, 138, 77) }
```


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

```
.border{ border-color:rgb(75, 138, 77) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 138, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 138, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 138, 77);  
box-shadow:4px 4px 4px 4px rgb(75, 138,  
77) }
```

Background

The CSS property to change the background color of an element to XYZ 13.3297, 20.2086, 10.2193 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 138, 77) }
```

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

```
.background{ background-color: rgb(75, 138,  
77) }
```

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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