

Converting Colors

XYZ(13.0537, 20.0123, 8.7720)

Have a look what the booklet for
XYZ(13.0537, 20.0123, 8.7720)
contains.

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Color

**XYZ(13.1431, 20.1431,
8.8255)**

Conversions

Conversions Part 1

Format	Color
Hex	4C8A45
RGB	76, 138, 69
RGB Percent	30%, 54%, 27%
CMY	0.7020, 0.4588, 0.7294
CMYK	0.45, 0.00, 0.50, 0.46
HSL	114°, 33%, 41%
HSV	114°, 50%, 54%
XYZ	13.1431, 20.1431, 8.8255
YIQ	111.5960, -14.8030, -34.6030

Conversions

Conversions Part 2

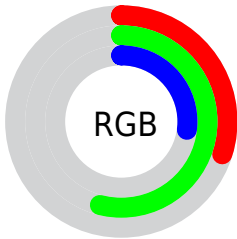
Format	Color
RYB	69, 138, 131
Decimal	5016133
CIELab	52.00, -34.54, 30.68
CIElCh	52, 46.201, 138.383
Yxy	20.1431, 0.3121, 0.4783
Android (android.graphics.Color)	4283206213 (0xFF4C8A45)
YUV	111.5960, -20.9998, -31.2177
Hunter-Lab	44.8811, -26.2694, 19.7578

Details

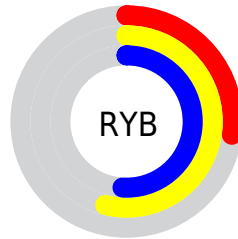
The XYZ color **13.1431, 20.1431, 8.8255** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **16.0767, 10.9172, 25.3057**, and the grayscale version is **15.3458, 16.1449, 17.5818**.

A 20% lighter version of the original color is **31.2327, 43.6983, 24.2412**, and **3.8623, 7.0337, 1.9131** is the 20% darker color. If you saturate the color by 10%, you get **11.8717, 19.5321, 6.7842**, and if you desaturate by 10%, it is **14.7051, 20.8936, 11.4014**.

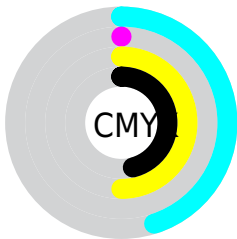
Distribution



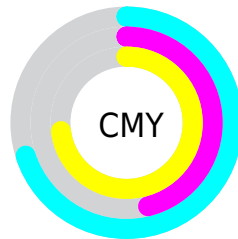
- Red (30%)
- Green (54%)
- Blue (27%)



- Red (27%)
- Yellow (54%)
- Blue (51%)



- Cyan (45%)
- Magenta (0%)
- Yellow (50%)
- Black (46%)



- Cyan (70%)
- Magenta (46%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.1431, 20.1431, 8.8255 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 13.1431, 20.1431, 8.8255 by changing the saturation by 10% instead.

■ 13.1431, 20.1431,
8.8255

■ 13.1431, 20.1431,
8.8255

205.4519,
252.6887, 192.2406

■ 7.6048, 12.4991,
4.5323

■ 31.1598, 43.6570,
24.1339

■ 3.8928, 7.0845,
1.9217

■ 44.3689, 60.2956,
35.9862

■ 1.6417, 3.5150,
0.5065

■ 60.8656, 80.7013,
51.1952

■ 0.4193, 1.4062,
0.0000

■ 81.0154, 105.2584,
70.1795

■ 0.0000, 0.2213,
0.0000

■ 105.1836,
134.3513, 93.3577

■ 0.0000, 0.0000,
0.0000

133.7355,

168.3644, 121.1482

167.0365,
207.6821, 153.9697

■ 13.1431, 20.1431,
8.8255

■ 13.1431, 20.1431,
8.8255

■ 11.8717, 19.5321,
6.7842

■ 14.7051, 20.8936,
11.4014

■ 10.8714, 19.0497,
5.2387

■ 16.5726, 21.7887,
14.5445

■ 10.1228, 18.6871,
4.1472


■ 18.7614, 22.8365,
18.2861


■ 9.6030, 18.4338,
3.4604


■ 21.2855, 24.0436,
22.6551


■ 9.2699, 18.2711,
3.0381


■ 24.1583, 25.4164,
27.6785

 9.2699, 18.2711,
3.0381

 27.3924, 26.9607,
33.3816

 30.9998, 28.6823,
39.7885

 34.9918, 30.5865,
46.9219

 39.3794, 32.6785,
54.8037

Harmonies

Analogous

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



16.4297, 20.1431, 5.3811



13.1431, 20.1431, 8.8255



11.5759, 20.1431, 17.1145

Triad

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



13.1431, 20.1431, 8.8255



17.3796, 20.1431, 58.3960



29.0865, 20.1431, 14.7292

Complementary

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



13.1431, 20.1431, 8.8255



16.0767, 10.9172, 25.3057

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.



29.4535, 20.1431, 27.5789



13.1431, 20.1431, 8.8255



22.1450, 20.1431, 56.8875

Square

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



13.1431, 20.1431, 8.8255



13.7399, 20.1431, 47.5892



26.7430, 20.1431, 44.0536



25.8099, 20.1431, 7.6978

Rectangle

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



13.1431, 20.1431, 8.8255



11.5126, 20.1431, 25.9341



26.7430, 20.1431, 44.0536



29.5719, 20.1431, 18.3651

Sweetspot

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



13.1436, 20.1440, 8.8259



35.0755, 41.2115, 35.6937



19.5323, 21.7859, 8.8062



7.6891, 9.1583, 7.6980



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.



13.1436, 20.1440, 8.8259



20.6728, 34.3058, 11.5609



13.6294, 20.2775, 14.1302



5.0159, 5.6309, 5.3749



8.5055, 16.7547, 2.7857



0.0618, 0.1140, 0.0188

Inverse Universe

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



16.0767, 10.9172, 25.3057



26.4364, 16.0771, 44.0930



15.5097, 10.8199, 16.4699



5.1847, 5.1037, 6.3177



11.8346, 5.6151, 22.5058



0.0853, 0.0407, 0.1498

Previews

White Background



This preview shows how the XYZ color 13.1431, 20.1431, 8.8255 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 13.1431, 20.1431, 8.8255 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 13.1431, 20.1431, 8.8255

Background



This preview shows how black text looks on a background with the XYZ color 13.1431, 20.1431, 8.8255.



This preview shows how white text looks on a background with the XYZ color 13.1431, 20.1431,

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

13.1431, 20.1431, 8.8255

Protanopia

18.1617, 19.7703, 7.7093

Deuteranopia

20.2921, 19.9353, 9.2570



Tritanopia

17.0068, 20.0620, 28.1753

Trichromacy



Original Color

13.1431, 20.1431, 8.8255

Protanomaly

15.6420, 19.4091, 8.0762

Deuteranomaly

16.6717, 19.3461, 8.9864

Tritanomaly

15.2284, 19.9442, 19.2666

Monochromacy



Original Color

13.1431, 20.1431, 8.8255

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

14.0943, 17.1719, 13.6380

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.1431, 20.1431, 8.8255 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(76, 138, 69)` looks like.

```
.text, #text, p{  
    color:rgb(76, 138, 69)  
}
```

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(76, 138, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 138, 69) }
```

Border

The CSS property to change the border of an element to XYZ 13.1431, 20.1431, 8.8255 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(76, 138, 69) }
```


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

```
.border{ border-color:rgb(76, 138, 69) }
```

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

Here you see how a box with a 4 pixel rgb(76, 138, 69) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 138, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 138, 69);  
box-shadow:4px 4px 4px 4px rgb(76, 138,  
69) }
```

Background

The CSS property to change the background color of an element to XYZ 13.1431, 20.1431, 8.8255 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 138, 69) }
```

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

```
.background{ background-color: rgb(76, 138,  
69) }
```

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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