

Converting Colors

XYZ(17.0409, 20.2212, 4.5055)

Have a look what the booklet for
XYZ(17.0409, 20.2212, 4.5055)
contains.

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Color

**XYZ(17.0612, 20.2210,
4.5172)**

Conversions

Conversions Part 1

Format	Color
Hex	818022
RGB	129, 128, 34
RGB Percent	51%, 50%, 13%
CMY	0.4941, 0.4980, 0.8667
CMYK	0.00, 0.01, 0.74, 0.49
HSL	59°, 58%, 32%
HSV	59°, 74%, 51%
XYZ	17.0612, 20.2210, 4.5172
YIQ	117.5830, 30.7700, -29.0220

Conversions

Conversions Part 2

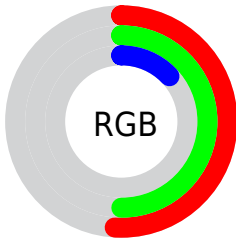
Format	Color
RYB	35, 129, 34
Decimal	8486946
CIELab	52.09, -11.42, 48.15
CIElCh	52, 49.490, 103.346
Yxy	20.2210, 0.4082, 0.4838
Android (android.graphics.Color)	4286677026 (0xFF818022)
YUV	117.5830, -41.2064, 10.0127
Hunter-Lab	44.9678, -10.9690, 25.5215

Details

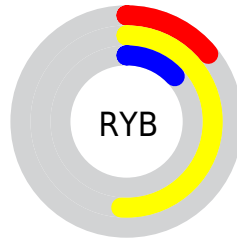
The XYZ color **17.0612, 20.2210, 4.5172** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **5.2232, 3.1271, 21.0971**, and the grayscale version is **17.2079, 18.1041, 19.7153**.

A 20% lighter version of the original color is **37.9708, 43.9100, 15.2783**, and **5.7765, 7.1285, 1.0715** is the 20% darker color. If you saturate the color by 10%, you get **16.8916, 20.1257, 3.7089**, and if you desaturate by 10%, it is **17.3017, 20.3462, 5.6944**.

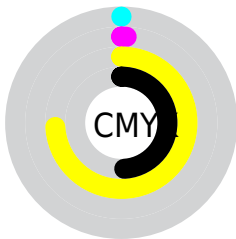
Distribution



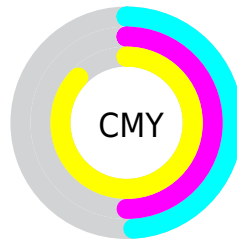
- Red (51%)
- Green (50%)
- Blue (13%)



- Red (14%)
- Yellow (51%)
- Blue (13%)



- Cyan (0%)
- Magenta (1%)
- Yellow (74%)
- Black (49%)



- Cyan (49%)
- Magenta (50%)
- Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.0612, 20.2210, 4.5172 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 17.0612, 20.2210, 4.5172 by changing the saturation by 10% instead.

■ 17.0612, 20.2210,
4.5172

■ 17.0612, 20.2210,
4.5172

■ 228.6742,
253.1090, 153.8114

■ 10.3737, 12.5558,
1.9132

■ 37.9737, 43.7874,
15.1860

■ 5.7116, 7.1234,
0.5011

■ 52.9295, 60.4574,
24.0879

■ 2.7095, 3.5394,
0.0000

■ 71.3720, 80.8977,
35.9261

■ 1.0021, 1.4194,
0.0000

■ 93.6667, 105.4929,
51.1192

■ 0.0000, 0.2310,
0.0000

■ 120.1789,
134.6272, 70.0858

■ 0.0000, 0.0000,
0.0000

■ 151.2740,

168.6850, 93.2443

187.3173,
208.0508, 121.0133

■ 17.0612, 20.2210,
4.5172

■ 17.0612, 20.2210,
4.5172

■ 16.8916, 20.1257,
3.7089

■ 17.3017, 20.3462,
5.6944

■ 16.7826, 20.0539,
3.2218

■ 17.6186, 20.5013,
7.2763

■ 16.7265, 20.0136,
2.9814

■ 18.0187, 20.6896,
9.2957

■ 18.5074, 20.9135,
11.7818

■ 19.0898, 21.1748,
14.7613

■ 19.7707, 21.4756,
18.2588

■ 20.5543, 21.8175,
22.2974

■ 21.4447, 22.2022,
26.8986

■ 22.4460, 22.6312,
32.0830

Harmonies

Analogous

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



22.1428, 20.2210, 4.6634



17.0612, 20.2210, 4.5172



13.2881, 20.2210, 7.3407

Triad

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



17.0612, 20.2210, 4.5172



12.9802, 20.2210, 47.1963



30.1209, 20.2210, 31.0007

Complementary

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



17.0612, 20.2210, 4.5172



5.2232, 3.1271, 21.0971

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.



26.6959, 20.2210, 49.1109



17.0612, 20.2210, 4.5172



16.5654, 20.2210, 60.9224

Square

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



17.0612, 20.2210, 4.5172



11.2262, 20.2210, 29.0912



21.5525, 20.2210, 61.7459



30.3173, 20.2210, 16.1944

Rectangle

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



17.0612, 20.2210, 4.5172



11.7734, 20.2210, 11.7389



21.5525, 20.2210, 61.7459



29.2850, 20.2210, 37.0206

Sweetspot

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



17.0617, 20.2219, 4.5176



34.3141, 37.9766, 27.0919



9.9375, 5.9362, 2.2582



7.7107, 8.5709, 5.8445



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



17.0617, 20.2219, 4.5176



30.1129, 35.9539, 6.0237



11.7138, 17.6588, 4.3047



4.6616, 5.0119, 4.6418



16.3088, 19.5140, 2.9070



0.0000, 0.0000, 0.0000

Inverse Universe

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



5.2232, 3.1271, 21.0971



7.6705, 3.5534, 37.4741



7.8359, 4.4311, 21.2111



4.1122, 4.2184, 5.4108



3.8780, 1.5744, 20.3494



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 17.0612, 20.2210, 4.5172 looks on a white background.

Color Contrast Check

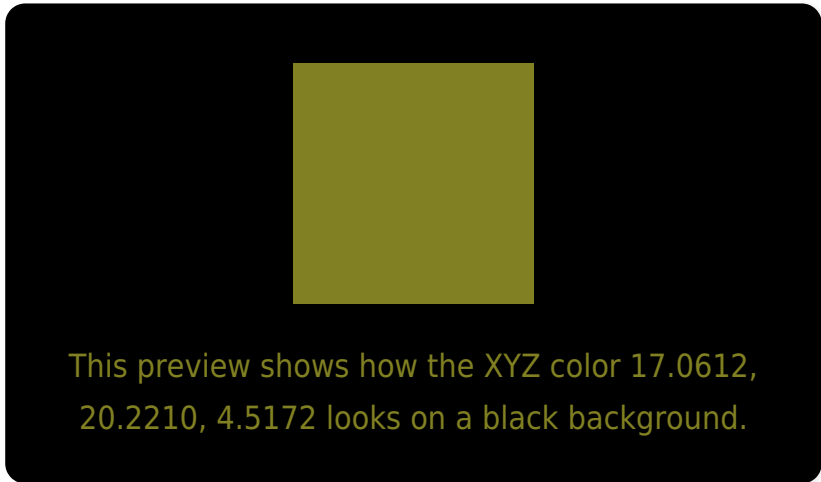
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



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 17.0612, 20.2210, 4.5172

Background



This preview shows how black text looks on a background with the XYZ color 17.0612, 20.2210, 4.5172.



This preview shows how white text looks on a background with the XYZ color 17.0612, 20.2210,

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

17.0612, 20.2210, 4.5172

Protanopia

18.1296, 20.0141, 4.3464

Deuteranopia

20.5386, 20.1647, 4.6434



Tritanopia

20.8758, 20.0970, 23.5477

Trichromacy



Original Color

17.0612, 20.2210, 4.5172

Protanomaly

17.5998, 19.9279, 4.3577

Deuteranomaly

19.1475, 20.1636, 4.6331

Tritanomaly

18.8114, 19.7956, 13.4191

Monochromacy



Original Color

17.0612, 20.2210, 4.5172

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

16.7059, 18.7448, 11.7544

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.0612, 20.2210, 4.5172 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(129, 128, 34)` looks like.

```
.text, #text, p{  
    color:rgb(129, 128, 34)  
}
```

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(129, 128, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 128, 34) }
```

Border

The CSS property to change the border of an element to XYZ 17.0612, 20.2210, 4.5172 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(129, 128, 34) }
```


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

```
.border{ border-color:rgb(129, 128, 34) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 128, 34)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 128, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 128, 34);  
box-shadow:4px 4px 4px 4px rgb(129, 128,  
34) }
```

Background

The CSS property to change the background color of an element to XYZ 17.0612, 20.2210, 4.5172 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 128, 34) }
```

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

```
.background{ background-color: rgb(129,  
128, 34) }
```

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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