

Converting Colors

XYZ(17.5076, 20.3469, 4.0178)

Have a look what the booklet for
XYZ(17.5076, 20.3469, 4.0178)
contains.

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Color

**XYZ(17.4601, 20.2444,
4.0242)**

Conversions

Conversions Part 1

Format	Color
Hex	857F1B
RGB	133, 127, 27
RGB Percent	52%, 50%, 11%
CMY	0.4784, 0.5019, 0.8941
CMYK	0.00, 0.05, 0.80, 0.48
HSL	57°, 66%, 31%
HSV	57°, 80%, 52%
XYZ	17.4601, 20.2444, 4.0242
YIQ	117.3940, 35.6760, -29.8280

Conversions

Conversions Part 2

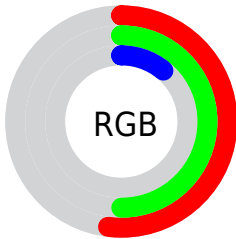
Format	Color
R_{YB}	33, 133, 27
Decimal	8748827
CIE Lab	52.11, -9.36, 50.82
CIE LCh	52, 51.670, 100.432
Yxy	20.2444, 0.4184, 0.4851
Android (android.graphics.Color)	4286938907 (0xFF857F1B)
YUV	117.3940, -44.5642, 13.6865
Hunter-Lab	44.9938, -9.4711, 26.1928

Details

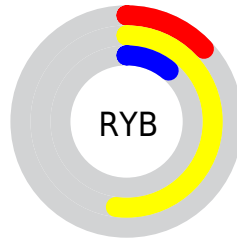
The XYZ color **17.4601, 20.2444, 4.0242** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **5.2296, 3.0142, 22.4965**, and the grayscale version is **17.1579, 18.0514, 19.6580**.

A 20% lighter version of the original color is **38.5543, 43.6382, 13.9804**, and **6.0327, 7.1543, 1.0630** is the 20% darker color. If you saturate the color by 10%, you get **17.2431, 20.0035, 3.3572**, and if you desaturate by 10%, it is **17.7484, 20.5166, 5.0593**.

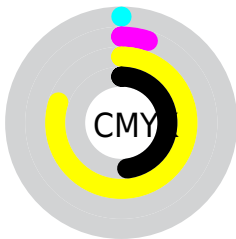
Distribution



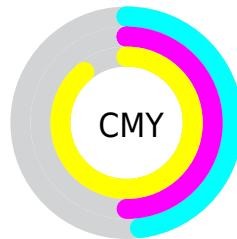
- Red (52%)
- Green (50%)
- Blue (11%)



- Red (13%)
- Yellow (52%)
- Blue (11%)



- Cyan (0%)
- Magenta (5%)
- Yellow (80%)
- Black (48%)



- Cyan (48%)
- Magenta (50%)
- Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.4601, 20.2444, 4.0242 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 17.4601, 20.2444, 4.0242 by changing the saturation by 10% instead.

■ 17.4601, 20.2444,
4.0242

■ 17.4601, 20.2444,
4.0242

230.9149,
253.2351, 148.4940

■ 10.6604, 12.5728,
1.6386

■ 38.6525, 43.8266,
14.0655

■ 5.9046, 7.1351,
0.3182

■ 53.7759, 60.5059,
22.5584

■ 2.8272, 3.5467,
0.0000

■ 72.4046, 80.9567,
33.9241

■ 1.0631, 1.4234,
0.0000

■ 94.9040, 105.5632,
48.5811

■ 0.0000, 0.2339,
0.0000

■ 121.6393,
134.7100, 66.9481

■ 0.0000, 0.0000,
0.0000

■ 152.9760,

168.7813, 89.4435

189.2795,
208.1615, 116.4860

17.4601, 20.2444,
4.0242

17.4601, 20.2444,
4.0242

17.2431, 20.0035,
3.3572

17.7484, 20.5166,
5.0593

17.0720, 19.7813,
2.9300

18.1151, 20.8205,
6.5054

17.0669, 19.7746,
2.9174

18.5677, 21.1599,
8.4007

19.1128, 21.5375,
10.7787

19.7559, 21.9555,
13.6699

■ 20.5024, 22.4160,
17.1020

■ 21.3573, 22.9211,
21.1009

■ 22.3251, 23.4725,
25.6908

■ 23.4102, 24.0720,
30.8945

Harmonies

Analogous

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



22.8487, 20.2444, 4.4226



17.4601, 20.2444, 4.0242



13.3763, 20.2444, 6.4852

Triad

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



17.4601, 20.2444, 4.0242



12.4984, 20.2444, 46.8092



30.4894, 20.2444, 33.2937

Complementary

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



17.4601, 20.2444, 4.0242



5.2296, 3.0142, 22.4965

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.



26.6111, 20.2444, 52.4341



17.4601, 20.2444, 4.0242



16.0358, 20.2444, 62.3938

Square

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



17.4601, 20.2444, 4.0242



10.8800, 20.2444, 27.7421



21.1405, 20.2444, 64.8247



31.0621, 20.2444, 17.1828

Rectangle

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



17.4601, 20.2444, 4.0242



11.6890, 20.2444, 10.5771



21.1405, 20.2444, 64.8247



29.4996, 20.2444, 39.7424

Sweetspot

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



17.4606, 20.2454, 4.0246



36.0438, 39.7330, 27.5219



10.3546, 5.8865, 2.1091



8.0303, 8.8956, 5.7877



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



17.4606, 20.2454, 4.0246



30.6326, 35.4899, 5.4349



12.5223, 18.8837, 4.0221



5.0178, 5.3791, 5.0032



16.2585, 18.8396, 2.7795



0.0580, 0.0687, 0.0102

Inverse Universe

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



5.2296, 3.0142, 22.4965



7.8590, 3.4585, 39.9917



7.3684, 3.8914, 22.5530



4.4541, 4.5838, 5.8507



4.1125, 1.7728, 21.2621



0.0155, 0.0087, 0.0741

Previews

White Background



This preview shows how the XYZ color 17.4601, 20.2444, 4.0242 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 17.4601, 20.2444, 4.0242 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

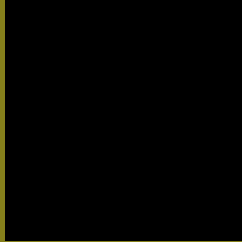
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 17.4601, 20.2444, 4.0242

Background



This preview shows how black text looks on a background with the XYZ color 17.4601, 20.2444, 4.0242.



This preview shows how white text looks on a background with the XYZ color 17.4601, 20.2444,

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

17.4601, 20.2444, 4.0242

Protanopia

18.3353, 20.3173, 3.9325

Deuteranopia

20.4494, 20.1291, 4.1740



Tritanopia

21.3592, 20.1781, 23.1911

Trichromacy



Original Color

17.4601, 20.2444, 4.0242

Protanomaly

17.9638, 20.3147, 3.9516

Deuteranomaly

19.2845, 20.0644, 4.0847

Tritanomaly

19.2069, 19.8333, 12.7134

Monochromacy



Original Color

17.4601, 20.2444, 4.0242

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

16.6060, 18.5258, 11.0881

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.4601, 20.2444, 4.0242 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(133, 127, 27)` looks like.

```
.text, #text, p{  
    color:rgb(133, 127, 27)  
}
```

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(133, 127, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 127, 27) }
```

Border

The CSS property to change the border of an element to XYZ 17.4601, 20.2444, 4.0242 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(133, 127, 27) }
```


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

```
.border{ border-color:rgb(133, 127, 27) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 127, 27)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 127, 27); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 127, 27);  
box-shadow:4px 4px 4px 4px rgb(133, 127,  
27) }
```

Background

The CSS property to change the background color of an element to XYZ 17.4601, 20.2444, 4.0242 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 127, 27) }
```

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

```
.background{ background-color: rgb(133,  
127, 27) }
```

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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