Converting Colors

XYZ(8.8693, 16.2289, 6.4584)

Have a look what the booklet for XYZ(8.8693, 16.2289, 6.4584) contains.

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Color

XYZ(8.7952, 16.1052, 6.3864)

Conversions

Conversions Part 1

Format	Color
Hex	118138
RGB	17, 129, 56
RGB Percent	7%, 51%, 22%
CMY	0.9333, 0.4941, 0.7804
CMYK	0.87, 0.00, 0.57, 0.49
HSL	141°, 77%, 29%
HSV	141°, 87%, 51%
XYZ	8.7952, 16.1052, 6.3864
YIQ	87.1900, -43.3190, -46.4470

Conversions

Conversions Part 2

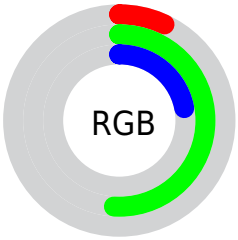
Format	Color
RYB	17, 100, 129
Decimal	1147192
CIELab	47.11, -45.88, 31.11
CIELCh	47, 55.432, 145.863
Yxy	16.1052, 0.2811, 0.5148
Android (android.graphics.Color)	4279337272 (0xFF118138)
YUV	87.1900, -15.3767, -61.5566
Hunter-Lab	40.1313, -31.1096, 18.6566

Details

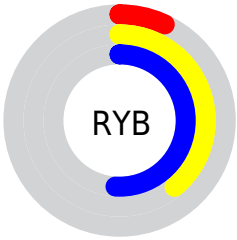
The XYZ color 8.7952, 16.1052, 6.3864 is a dark color, and the websafe version is hex 006600. A complement of this color would be 11.0996, 5.8064, 10.2088, and the grayscale version is 9.1392, 9.6151, 10.4709.

A 20% lighter version of the original color is 23.2296, 36.8182, 19.2469, and 2.7682, 5.4663, 1.1389 is the 20% darker color. If you saturate the color by 10%, you get 8.4270, 15.9377, 5.3847, and if you desaturate by 10%, it is 9.3202, 16.3505, 7.5766.

Distribution

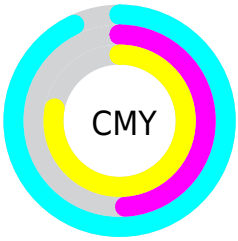


- Red (7%)
- Green (51%)
- Blue (22%)



- Red (7%)
- Yellow (39%)
- Blue (51%)

- Cyan (87%)
- Magenta (0%)
- Yellow (57%)
- Black (49%)



- Cyan (93%)
- Magenta (49%)
- Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 8.7952, 16.1052, 6.3864 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 8.7952, 16.1052, 6.3864 by changing the saturation by 10% instead.

8.7952, 16.1052, 6.3864

176.0823, 229.9617, 171.8958

23.1740, 36.7807, 19.2191

34.1523, 51.7185, 29.5114

48.1435, 70.2354, 42.9457

65.5131, 92.7160, 59.9405

86.6264, 119.5444, 80.9143

111.8488,

8.7952, 16.1052, 6.3864

4.6639, 9.5986, 3.0089

2.0841, 5.1337, 1.0992

0.6806, 2.3259, 0.0000

0.0000, 0.7874, 0.0000

0.0000, 0.0000, 0.0000

151.1053, 106.2858

141.5456, 187.7829, 136.4735

8.7952, 16.1052, 6.3864

8.4270, 15.9377, 5.3847

8.3227, 15.8900, 5.1031

8.7952, 16.1052, 6.3864

9.3202, 16.3505, 7.5766

10.0351, 16.6891, 8.9641

10.9585, 17.1308, 10.5581

12.1065, 17.6838, 12.3667

13.4937, 18.3554, 14.3975

15.1330, 19.1521, 16.6579

17.0367, 20.0802, 19.1549

19.2162, 21.1454, 21.8952

21.6823, 22.3531, 24.8851

Harmonies

Analogous

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

11.5777, 16.1052, 2.7860

8.7952, 16.1052, 6.3864

7.7427, 16.1052, 15.6726

Triad

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

8.7952, 16.1052, 6.3864

14.6423, 16.1052, 60.1459

25.3660, 16.1052, 8.2509

Complementary

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

8.7952, 16.1052, 6.3864

11.0996, 5.8064, 10.2088

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.

26.6659, 16.1052, 19.5411

8.7952, 16.1052, 6.3864

19.7630, 16.1052, 54.3938

Square

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

8.7952, 16.1052, 6.3864

10.6339, 16.1052, 50.3845

24.4324, 16.1052, 37.2837

21.1820, 16.1052, 3.3925

Rectangle

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

8.7952, 16.1052, 6.3864

7.9554, 16.1052, 25.9283

24.4324, 16.1052, 37.2837

26.1882, 16.1052, 11.1833

Sweetspot

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

8.7956, 16.1059, 6.3868

27.1662, 34.3287, 29.9200

12.3323, 17.9999, 3.3547

5.9481, 7.6724, 6.5008

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.

8.7956, 16.1059, 6.3868

14.8373, 28.4279, 8.7893

10.9145, 16.9534, 17.5449

4.3331, 4.8416, 4.9252

8.1163, 15.4931, 4.9850

0.0000, 0.0000, 0.0000

Inverse Universe

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

11.0996, 5.8064, 10.2088

19.0103, 9.4769, 15.4921

9.5675, 5.1936, 2.1407

4.4365, 4.3878, 5.1032

10.3923, 5.1766, 8.6557

0.0000, 0.0000, 0.0000

Previews

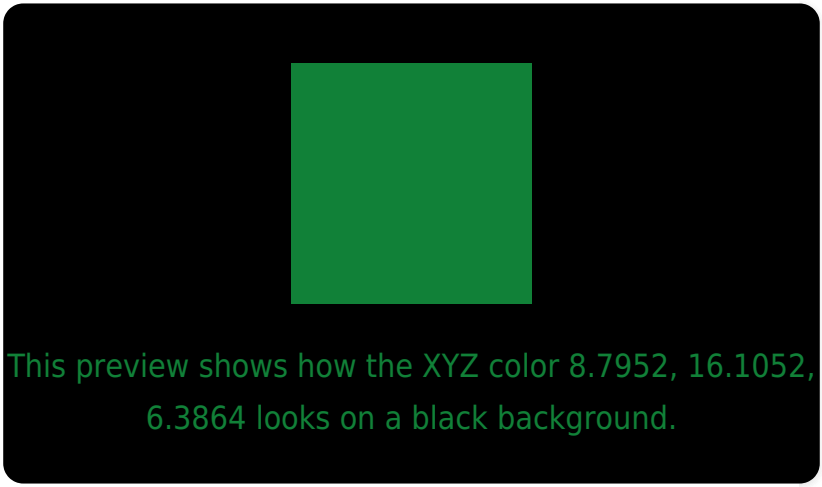
White Background

This preview shows how the XYZ color 8.7952, 16.1052, 6.3864 looks on a white 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

Black 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

If you want to check with other color combinations, try the Color Contrast Checker.

XYZ 8.7952, 16.1052, 6.3864

Background

This preview shows how black text looks on a background with the XYZ color 8.7952, 16.1052, 6.3864.

This preview shows how white text looks on a background with the XYZ color 8.7952, 16.1052,

6.3864.

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
8.7952, 16.1052, 6.3864

Protanopia
14.4285, 15.8101, 5.3088

Deuteranopia
16.1769, 15.8901, 6.7719

Tritanopia
12.4023, 16.0703, 23.9209

Trichromacy

Original Color
8.7952, 16.1052, 6.3864

Protanomaly
10.7544, 15.0896, 5.5946

Deuteranomaly
11.3471, 14.6880, 6.5120

Tritanomaly
10.5814, 15.8659, 15.6014

Monochromacy

Original Color
8.7952, 16.1052, 6.3864

Achromatopsia
9.0590, 9.5307, 10.3790

Achromatomaly
8.0425, 11.0487, 8.5462

CSS Examples

Text

The CSS property to change the color of the text to XYZ 8.7952, 16.1052, 6.3864 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(17, 129, 56) looks like.

```
.text, #text, p{
    color:rgb(17, 129, 56)
}
```

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(17, 129, 56) colored shadow looks like.

Here you see how black text with a 4 pixel rgb(17, 129, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(17, 129, 56) }
```

Border

The CSS property to change the border of an element to XYZ 8.7952, 16.1052, 6.3864 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(17, 129, 56) }
```

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

```
.border{ border-color:rgb(17, 129, 56) }
```

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

Here you see how a box with a 4 pixel rgb(17, 129, 56) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(17, 129, 56); -webkit-box-shadow:4px 4px 4px 4px rgb(17, 129, 56); box-shadow:4px 4px 4px 4px rgb(17, 129, 56) }
```

Background

The CSS property to change the background color of an element to XYZ 8.7952, 16.1052, 6.3864 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{ background:rgb(17, 129, 56) }
```

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

```
.background{ background-color:rgb(17, 129, 56) }
```

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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