

Converting Colors

XYZ(8.7567, 16.7882, 3.6737)

Have a look what the booklet for
XYZ(8.7567, 16.7882, 3.6737)
contains.

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Color

**XYZ(8.7360, 16.7321,
3.6889)**

Conversions

Conversions Part 1

Format	Color
Hex	158419
RGB	21, 132, 25
RGB Percent	8%, 52%, 10%
CMY	0.9176, 0.4823, 0.9019
CMYK	0.84, 0.00, 0.81, 0.48
HSL	122°, 73%, 30%
HSV	122°, 84%, 52%
XYZ	8.7360, 16.7321, 3.6889
YIQ	86.6130, -31.8090, -56.8090

Conversions

Conversions Part 2

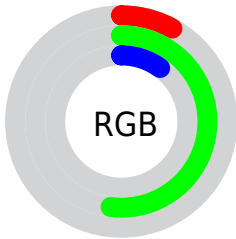
Format	Color
R_YB	21, 128, 132
Decimal	1410073
CIE _{Lab}	47.92, -49.87, 45.49
CIE _{LCh}	48, 67.505, 137.631
Yxy	16.7321, 0.2996, 0.5739
Android (android.graphics.Color)	4279600153 (0xFF158419)
YUV	86.6130, -30.3752, -57.5426
Hunter-Lab	40.9049, -33.4616, 23.2865

Details

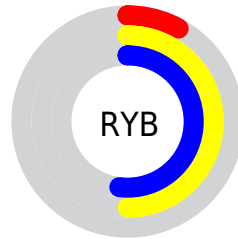
The XYZ color **8.7360, 16.7321, 3.6889** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **13.6805, 7.0006, 21.0521**, and the grayscale version is **9.0445, 9.5155, 10.3623**.

A 20% lighter version of the original color is **23.0539, 37.7917, 13.2872**, and **2.9424, 5.8849, 0.9808** is the 20% darker color. If you saturate the color by 10%, you get **8.4173, 16.5807, 3.1137**, and if you desaturate by 10%, it is **9.2634, 16.9849, 4.6011**.

Distribution



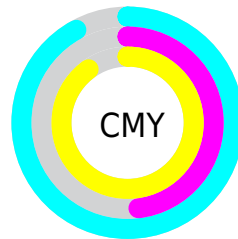
- Red (8%)
- Green (52%)
- Blue (10%)



- Red (8%)
- Yellow (50%)
- Blue (52%)



- Cyan (84%)
- Magenta (0%)
- Yellow (81%)
- Black (48%)



- Cyan (92%)
- Magenta (48%)
- Yellow (90%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 8.7360, 16.7321, 3.6889 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 8.7360, 16.7321, 3.6889 by changing the saturation by 10% instead.

■ 8.7360, 16.7321,
3.6889

■ 8.7360, 16.7321,
3.6889

175.6452,
233.6238, 144.7021

■ 4.6251, 10.0437,
1.4563

■ 23.0610, 37.8646,
13.2857

■ 2.0615, 5.4279,
0.1850

■ 34.0059, 53.0774,
21.4869

■ 0.6682, 2.5005,
0.0000

■ 47.9594, 71.9005,
32.5147

■ 0.0000, 0.8769,
0.0000


■ 65.2870, 94.7183,
46.7877


■ 0.0000, 0.0000,
0.0000


■ 86.3541, 121.9151,
64.7244


■ 111.5259,


153.8754, 86.7433


 141.1678,
190.9835, 113.2630


 8.7360, 16.7321,
3.6889


 8.7360, 16.7321,
3.6889


 8.4173, 16.5807,
3.1137


 9.2634, 16.9849,
4.6011

 8.2776, 16.5136,
2.8879

 10.0281, 17.3513,
5.8897

 11.0538, 17.8435,
7.5902

 12.3616, 18.4716,
9.7334

 13.9698, 19.2445,
12.3473

■ 15.8958, 20.1705,
15.4576

■ 18.1552, 21.2573,
19.0880

■ 20.7627, 22.5119,
23.2608

■ 23.7323, 23.9410,
27.9971

Harmonies

Analogous

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



12.6191, 16.7321, 1.3139



8.7360, 16.7321, 3.6889



6.9999, 16.7321, 11.9468

Triad

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



8.7360, 16.7321, 3.6889



13.5284, 16.7321, 74.3862



29.8476, 16.7321, 9.8435

Complementary

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



8.7360, 16.7321, 3.6889



13.6805, 7.0006, 21.0521

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.



30.2721, 16.7321, 26.3720



8.7360, 16.7321, 3.6889



19.7131, 16.7321, 72.3728

Square

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



8.7360, 16.7321, 3.6889



9.2548, 16.7321, 55.8339



26.1974, 16.7321, 51.3737



25.1533, 16.7321, 2.9892

Rectangle

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



8.7360, 16.7321, 3.6889



6.9032, 16.7321, 23.0351



26.1974, 16.7321, 51.3737



30.5306, 16.7321, 14.1248

Sweetspot

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



8.7364, 16.7328, 3.6893



27.4650, 35.2721, 26.3665



17.3346, 21.1700, 3.8822



6.1487, 8.0939, 5.7423



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.



8.7364, 16.7328, 3.6893



14.5683, 29.0827, 5.0226



10.0163, 17.2448, 10.4293



4.6226, 5.2073, 5.0238



8.0150, 15.9888, 2.7984



0.0282, 0.0556, 0.0119

Inverse Universe

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



13.6805, 7.0006, 21.0521



23.5252, 11.3464, 36.3992



10.9803, 5.9205, 6.8330



4.8508, 4.7600, 5.8268



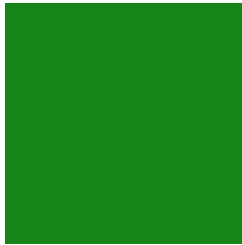
12.9383, 6.2397, 20.0454



0.0454, 0.0218, 0.0724

Previews

White Background



This preview shows how the XYZ color 8.7360, 16.7321, 3.6889 looks on a white background.

Color Contrast Check

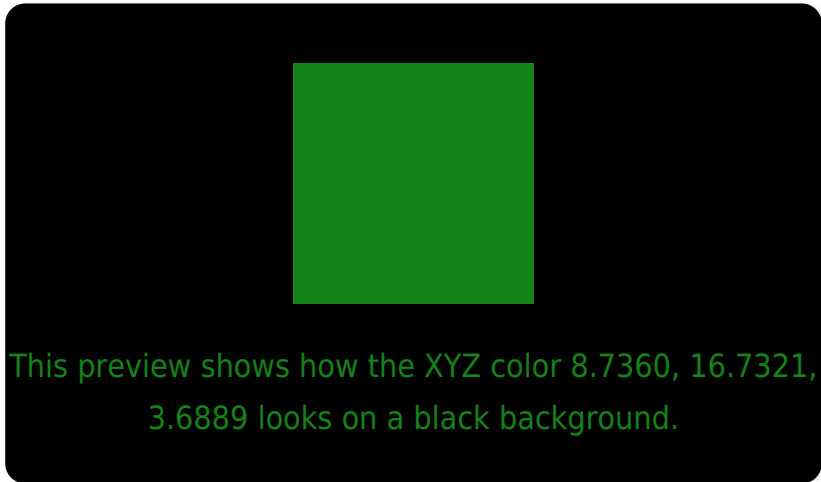
Large Text (above 18pt) WCAG AA ✓ Pass

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

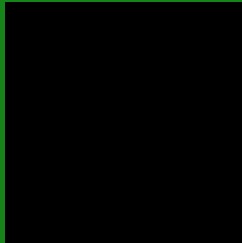
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 8.7360, 16.7321, 3.6889

Background



This preview shows how black text looks on a background with the XYZ color 8.7360, 16.7321, 3.6889.



This preview shows how white text looks on a background with the XYZ color 8.7360, 16.7321, 3.6889.

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

8.7360, 16.7321, 3.6889

Protanopia

14.7838, 16.3728, 3.0429

Deuteranopia

16.7470, 16.3997, 4.0331



Tritanopia

13.0615, 16.7589, 24.7367

Trichromacy



Original Color

8.7360, 16.7321, 3.6889

Protanomaly

10.8858, 15.5656, 3.1898

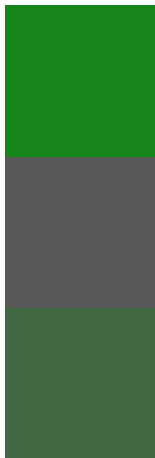
Deuteranomaly

11.5569, 15.1973, 3.7631

Tritanomaly

10.5634, 16.2877, 13.1768

Monochromacy



Original Color

8.7360, 16.7321, 3.6889

Achromatopsia

9.0590, 9.5307, 10.3790

Achromatomaly

7.8256, 11.1274, 6.5858

CSS Examples

Text

The CSS property to change the color of the text to XYZ 8.7360, 16.7321, 3.6889 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(21, 132, 25)` looks like.

```
.text, #text, p{  
    color:rgb(21, 132, 25)  
}
```

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(21, 132, 25) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(21, 132, 25) }
```

Border

The CSS property to change the border of an element to XYZ 8.7360, 16.7321, 3.6889 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(21, 132, 25) }
```


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

```
.border{ border-color:rgb(21, 132, 25) }
```

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

Here you see how a box with a 4 pixel `rgb(21, 132, 25)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(21, 132, 25); -webkit-box-  
shadow:4px 4px 4px 4px rgb(21, 132, 25);  
box-shadow:4px 4px 4px 4px rgb(21, 132,  
25) }
```

Background

The CSS property to change the background color of an element to XYZ 8.7360, 16.7321, 3.6889 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(21, 132, 25) }
```

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

```
.background{ background-color: rgb(21, 132,  
25) }
```

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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