

Converting Colors

XYZ(8.8757, 16.2513, 4.2445)

Have a look what the booklet for
XYZ(8.8757, 16.2513, 4.2445)
contains.

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Color

**XYZ(8.8468, 16.1792,
4.2467)**

Conversions

Conversions Part 1

Format	Color
Hex	238123
RGB	35, 129, 35
RGB Percent	14%, 51%, 14%
CMY	0.8627, 0.4941, 0.8627
CMYK	0.73, 0.00, 0.73, 0.49
HSL	120°, 57%, 32%
HSV	120°, 73%, 51%
XYZ	8.8468, 16.1792, 4.2467
YIQ	90.1780, -25.8500, -49.1620

Conversions

Conversions Part 2

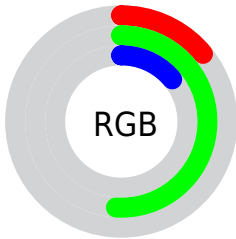
Format	Color
R_{YB}	35, 129, 129
Decimal	2326819
CIE _{Lab}	47.21, -45.86, 41.15
CIE _{LCh}	47, 61.615, 138.092
Yxy	16.1792, 0.3022, 0.5527
Android (android.graphics.Color)	4280516899 (0xFF238123)
YUV	90.1780, -27.2028, -48.3911
Hunter-Lab	40.2234, -31.1313, 21.8966

Details

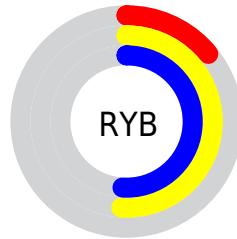
The XYZ color **8.8468, 16.1792, 4.2467** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **13.6172, 7.4545, 21.4904**, and the grayscale version is **9.8220, 10.3335, 11.2532**.

A 20% lighter version of the original color is **23.2925, 36.9557, 14.4999**, and **2.7244, 5.4488, 0.9081** is the 20% darker color. If you saturate the color by 10%, you get **8.3295, 15.9312, 3.4003**, and if you desaturate by 10%, it is **9.5964, 16.5397, 5.4725**.

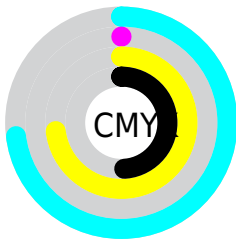
Distribution



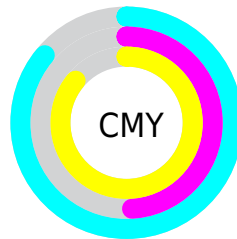
- Red (14%)
- Green (51%)
- Blue (14%)



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



- Cyan (73%)
- Magenta (0%)
- Yellow (73%)
- Black (49%)



- Cyan (86%)
- Magenta (49%)
- Yellow (86%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 8.8468, 16.1792, 4.2467 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 8.8468, 16.1792, 4.2467 by changing the saturation by 10% instead.

■ 8.8468, 16.1792,
4.2467

■ 8.8468, 16.1792,
4.2467

176.4622,
230.3968, 150.9292

■ 4.6977, 9.6510,
1.7616

■ 23.2724, 36.9090,
14.5748

■ 2.1039, 5.1682,
0.4025

■ 34.2796, 51.8795,
23.2550

■ 0.6913, 2.3463,
0.0000

■ 48.3036, 70.4328,
34.8373

■ 0.0000, 0.7980,
0.0000

■ 65.7097, 92.9535,
49.7402

■ 0.0000, 0.0000,
0.0000

■ 86.8633, 119.8258,
68.3823

■ 112.1296,

151.4342, 91.1821

141.8742,
188.1631, 118.5583

■ 8.8468, 16.1792,
4.2467

■ 8.8468, 16.1792,
4.2467

■ 8.3295, 15.9312,
3.4003

■ 9.5964, 16.5397,
5.4725

■ 8.0162, 15.7807,
2.8877

■ 10.5999, 17.0218,
7.1140

■ 7.8506, 15.7012,
2.6169

■ 11.8778, 17.6356,
9.2042

■ 13.4482, 18.3900,
11.7729

■ 15.3275, 19.2927,
14.8469

■ 17.5312, 20.3513,
18.4514

■ 20.0735, 21.5724,
22.6097

■ 22.9677, 22.9627,
27.3438

■ 26.2267, 24.5281,
32.6744

Harmonies

Analogous

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



12.3601, 16.1792, 1.7437



8.8468, 16.1792, 4.2467



7.2616, 16.1792, 12.1423

Triad

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



8.8468, 16.1792, 4.2467



13.3240, 16.1792, 66.0098



27.5798, 16.1792, 9.8712

Complementary

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



8.8468, 16.1792, 4.2467



13.6172, 7.4545, 21.4904

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.



28.0121, 16.1792, 24.5290



8.8468, 16.1792, 4.2467



18.8507, 16.1792, 64.0175

Square

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



8.8468, 16.1792, 4.2467



9.4088, 16.1792, 50.5224



24.5225, 16.1792, 46.0596



23.4522, 16.1792, 3.4236

Rectangle

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



8.8468, 16.1792, 4.2467



7.1887, 16.1792, 22.1660



24.5225, 16.1792, 46.0596



28.1924, 16.1792, 13.7362

Sweetspot

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



8.8472, 16.1799, 4.2471



27.5760, 34.6095, 26.7973



17.2076, 20.4898, 4.6382



6.0626, 7.7477, 5.7725



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.



8.8472, 16.1799, 4.2471



14.5300, 28.3428, 5.4580



10.0668, 16.6677, 10.6697



4.2760, 4.8187, 4.6249



7.6541, 15.3082, 2.5514



0.0000, 0.0000, 0.0000

Inverse Universe

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



13.6172, 7.4545, 21.4904



23.5927, 11.7653, 38.2190



11.1778, 6.4787, 8.6444



4.4982, 4.4124, 5.4279



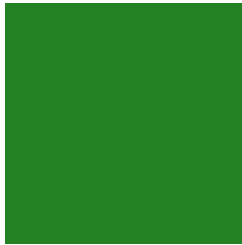
12.6904, 6.0958, 20.7571



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 8.8468, 16.1792, 4.2467 looks on a white background.

Color Contrast Check

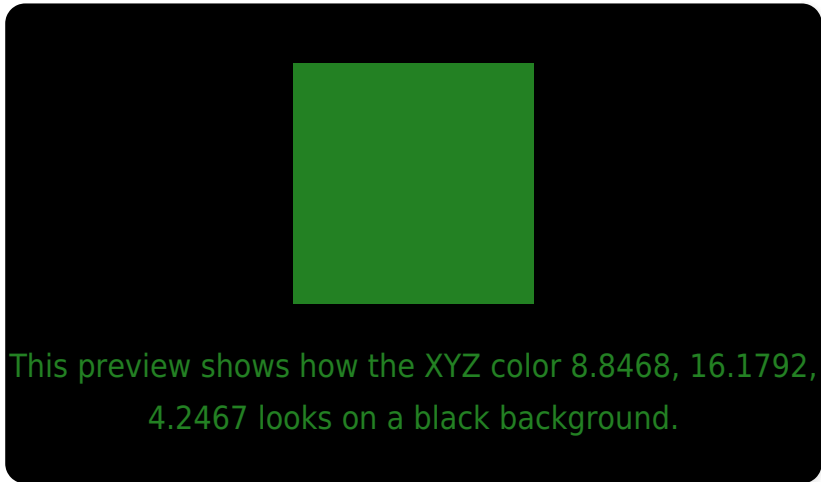
Large Text (above 18pt) WCAG AA ✓ Pass

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 8.8468, 16.1792, 4.2467

Background



This preview shows how black text looks on a background with the XYZ color 8.8468, 16.1792, 4.2467.



This preview shows how white text looks on a background with the XYZ color 8.8468, 16.1792,

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

8.8468, 16.1792, 4.2467

Protanopia

14.4860, 16.0421, 3.5612

Deuteranopia

16.2561, 15.9789, 4.6103



Tritanopia

12.7323, 16.0688, 23.5496

Trichromacy



Original Color

8.8468, 16.1792, 4.2467

Protanomaly

11.1528, 15.3365, 3.7389

Deuteranomaly

11.7844, 14.9614, 4.3646

Tritanomaly

10.5647, 15.7222, 13.3043

Monochromacy



Original Color

8.8468, 16.1792, 4.2467

Achromatopsia

9.7181, 10.2242, 11.1341

Achromatomaly

8.5816, 11.6449, 7.5897

CSS Examples

Text

The CSS property to change the color of the text to XYZ 8.8468, 16.1792, 4.2467 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(35, 129, 35)` looks like.

```
.text, #text, p{  
    color:rgb(35, 129, 35)  
}
```

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(35, 129, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(35, 129, 35) }
```

Border

The CSS property to change the border of an element to XYZ 8.8468, 16.1792, 4.2467 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(35, 129, 35) }
```


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

```
.border{ border-color:rgb(35, 129, 35) }
```

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

Here you see how a box with a 4 pixel `rgb(35, 129, 35)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(35, 129, 35); -webkit-box-  
shadow:4px 4px 4px 4px rgb(35, 129, 35);  
box-shadow:4px 4px 4px 4px rgb(35, 129,  
35) }
```

Background

The CSS property to change the background color of an element to XYZ 8.8468, 16.1792, 4.2467 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(35, 129, 35) }
```

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

```
.background{ background-color: rgb(35, 129,  
35) }
```

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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