

Converting Colors

XYZ(10.2397, 16.3446, 5.6058)

Have a look what the booklet for
XYZ(10.2397, 16.3446, 5.6058)
contains.

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Color

**XYZ(10.2166, 16.2758,
5.6207)**

Conversions

Conversions Part 1

Format	Color
Hex	417E32
RGB	65, 126, 50
RGB Percent	25%, 49%, 20%
CMY	0.7451, 0.5059, 0.8039
CMYK	0.48, 0.00, 0.60, 0.51
HSL	108°, 43%, 35%
HSV	108°, 60%, 49%
XYZ	10.2166, 16.2758, 5.6207
YIQ	99.0970, -11.9600, -36.5680

Conversions

Conversions Part 2

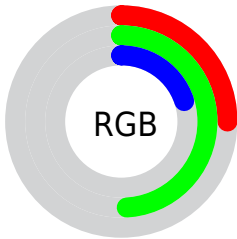
Format	Color
RYB	50, 126, 111
Decimal	4292146
CIELab	47.33, -35.26, 34.73
CIElCh	47, 49.489, 135.433
Yxy	16.2758, 0.3181, 0.5068
Android (android.graphics.Color)	4282482226 (0xFF417E32)
YUV	99.0970, -24.2048, -29.9031
Hunter-Lab	40.3433, -25.3971, 19.9799

Details

The XYZ color **10.2166, 16.2758, 5.6207** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **11.4627, 7.1676, 20.5188**, and the grayscale version is **11.9459, 12.5680, 13.6866**.

A 20% lighter version of the original color is **25.8434, 36.9926, 17.5826**, and **2.6345, 5.1947, 0.8638** is the 20% darker color. If you saturate the color by 10%, you get **9.3708, 15.8675, 4.3524**, and if you desaturate by 10%, it is **11.2579, 16.7773, 7.2896**.

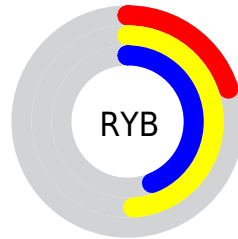
Distribution



Red (25%)

Green (49%)

Blue (20%)



Red (20%)

Yellow (49%)

Blue (44%)

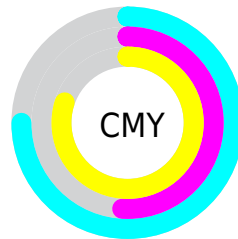


Cyan (48%)

Magenta (0%)

Yellow (60%)

Black (51%)



Cyan (75%)

Magenta (51%)

Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.2166, 16.2758, 5.6207 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 10.2166, 16.2758, 5.6207 by changing the saturation by 10% instead.

■ 10.2166, 16.2758,
5.6207

■ 10.2166, 16.2758,
5.6207

186.2326,
230.9637, 164.8233

■ 5.6062, 9.7195,
2.5508

■ 25.8481, 37.0763,
17.6023

■ 2.6455, 5.2134,
0.8669

■ 37.5999, 52.0894,
27.3510

■ 0.9692, 2.3730,
0.0000

■ 52.4629, 70.6902,
40.1632

■ 0.0000, 0.8119,
0.0000

■ 70.8023, 93.2631,
56.4572

■ 0.0000, 0.0000,
0.0000

■ 92.9837, 120.1925,
76.6517

■ 119.3723,

151.8628, 101.1652

150.3334,
188.6584, 130.4162

■ 10.2166, 16.2758,
5.6207

■ 10.2166, 16.2758,
5.6207

■ 9.3708, 15.8675,
4.3524

■ 11.2579, 16.7773,
7.2896

■ 8.7068, 15.5444,
3.4500

■ 12.5052, 17.3751,
9.3877

■ 8.2104, 15.3008,
2.8749

■ 13.9694, 18.0749,
11.9423

■ 7.8588, 15.1273,
2.5057

■ 15.6603, 18.8812,
14.9782

■ 17.5873, 19.7982,
18.5183

■ 19.7590, 20.8300,
22.5841

■ 22.1836, 21.9804,
27.1957

■ 24.8692, 23.2530,
32.3724

■ 27.8231, 24.6514,
38.1324

Harmonies

Analogous

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



13.3370, 16.2758, 3.1647



10.2166, 16.2758, 5.6207



8.6720, 16.2758, 12.3261

Triad

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



10.2166, 16.2758, 5.6207



13.4487, 16.2758, 52.7667



25.0792, 16.2758, 12.0518

Complementary

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



10.2166, 16.2758, 5.6207



11.4627, 7.1676, 20.5188

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.



25.1247, 16.2758, 24.4985



10.2166, 16.2758, 5.6207



17.8183, 16.2758, 52.5717

Square

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



10.2166, 16.2758, 5.6207



10.2850, 16.2758, 41.0267



22.2710, 16.2758, 40.5772



22.1564, 16.2758, 5.5017

Rectangle

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



10.2166, 16.2758, 5.6207



8.5148, 16.2758, 20.1024



22.2710, 16.2758, 40.5772



25.4475, 16.2758, 15.5366

Sweetspot

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



10.2170, 16.2765, 5.6211



28.1751, 33.5244, 27.4758



14.8432, 15.9919, 5.3223



6.2305, 7.5407, 5.9252



60.6688, 63.8283, 69.5090



7.9400, 8.3535, 9.0970

Same Dimension

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



10.2170, 16.2765, 5.6211



16.0661, 27.7214, 7.0575



9.9727, 16.0789, 8.8469



4.3492, 4.8565, 4.6283



8.0590, 15.5170, 2.5703



0.0000, 0.0000, 0.0000

Inverse Universe

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



11.4627, 7.1676, 20.5188



18.4109, 10.1582, 35.7347



12.2036, 7.7005, 13.7284



4.4176, 4.3709, 5.4241



9.3812, 4.3899, 20.6028



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 10.2166, 16.2758, 5.6207 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



This preview shows how the XYZ color 10.2166, 16.2758, 5.6207 looks on a 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 10.2166, 16.2758, 5.6207

Background



This preview shows how black text looks on a background with the XYZ color 10.2166, 16.2758, 5.6207.



This preview shows how white text looks on a background with the XYZ color 10.2166, 16.2758,

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

10.2166, 16.2758, 5.6207

Protanopia

14.5995, 16.0707, 4.9172

Deuteranopia

16.1844, 15.9120, 5.9597



Tritanopia

13.6830, 16.2209, 22.8318

Trichromacy



Original Color

10.2166, 16.2758, 5.6207

Protanomaly

12.4679, 15.8114, 5.0841

Deuteranomaly

13.1265, 15.4561, 5.7815

Tritanomaly

12.0393, 16.0907, 14.5279

Monochromacy



Original Color

10.2166, 16.2758, 5.6207

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

10.8843, 13.5576, 9.8278

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.2166, 16.2758, 5.6207 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(65, 126, 50)` looks like.

```
.text, #text, p{  
    color:rgb(65, 126, 50)  
}
```

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(65, 126, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 126, 50) }
```

Border

The CSS property to change the border of an element to XYZ 10.2166, 16.2758, 5.6207 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(65, 126, 50) }
```


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

```
.border{ border-color:rgb(65, 126, 50) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 126, 50)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 126, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 126, 50);  
box-shadow:4px 4px 4px 4px rgb(65, 126,  
50) }
```

Background

The CSS property to change the background color of an element to XYZ 10.2166, 16.2758, 5.6207 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 126, 50) }
```

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

```
.background{ background-color: rgb(65, 126,  
50) }
```

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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