

Converting Colors

XYZ(13.3440, 16.2545, 12.0336)

Have a look what the booklet for
XYZ(13.3440, 16.2545, 12.0336)
contains.

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Color

**XYZ(13.3609, 16.2917,
12.1133)**

Conversions

Conversions Part 1

Format	Color
Hex	62765A
RGB	98, 118, 90
RGB Percent	38%, 46%, 35%
CMY	0.6157, 0.5372, 0.6471
CMYK	0.17, 0.00, 0.24, 0.54
HSL	103°, 13%, 41%
HSV	103°, 24%, 46%
XYZ	13.3609, 16.2917, 12.1133
YIQ	108.8280, -2.9320, -12.9480

Conversions

Conversions Part 2

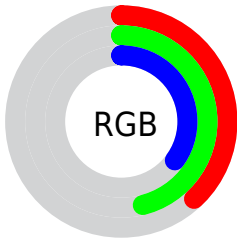
Format	Color
R_{YB}	90, 118, 110
Decimal	6452826
CIE _{Lab}	47.35, -13.10, 13.04
CIE _{LCh}	47, 18.488, 135.135
Yxy	16.2917, 0.3199, 0.3901
Android (android.graphics.Color)	4284642906 (0xFF62765A)
YUV	108.8280, -9.2822, -9.4962
Hunter-Lab	40.3630, -11.5484, 10.4606

Details

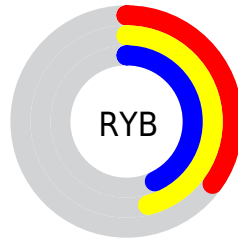
The XYZ color **13.3609, 16.2917, 12.1133** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **13.3572, 11.9358, 18.7402**, and the grayscale version is **14.5135, 15.2693, 16.6283**.

A 20% lighter version of the original color is **31.5028, 37.0325, 30.2985**, and **4.0100, 5.2660, 3.1880** is the 20% darker color. If you saturate the color by 10%, you get **12.0360, 15.6627, 9.6344**, and if you desaturate by 10%, it is **14.8622, 17.0034, 15.0175**.

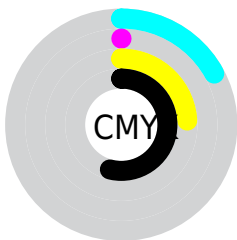
Distribution



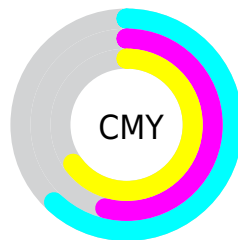
- Red (38%)
- Green (46%)
- Blue (35%)



- Red (35%)
- Yellow (46%)
- Blue (43%)



- Cyan (17%)
- Magenta (0%)
- Yellow (24%)
- Black (54%)



- Cyan (62%)
- Magenta (54%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.3609, 16.2917, 12.1133 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 13.3609, 16.2917, 12.1133 by changing the saturation by 10% instead.

■ 13.3609, 16.2917,
12.1133

■ 13.3609, 16.2917,
12.1133

206.8090,
231.0569, 216.1584

■ 7.7562, 9.7308,
6.6974

■ 31.5465, 37.1039,
30.3688

■ 3.9899, 5.2208,
3.1980

■ 44.8581, 52.1239,
44.0454

■ 1.6964, 2.3774,
1.1966

■ 61.4694, 70.7325,
61.3128

■ 0.4540, 0.8142,
0.0000

■ 81.7458, 93.3140,
82.5893

■ 0.0000, 0.0000,
0.0000

106.0526,
120.2528, 108.2936

134.7552,

151.9333, 138.8442

168.2189,
188.7398, 174.6596

■ 13.3609, 16.2917,
12.1133

■ 13.3609, 16.2917,
12.1133

■ 12.0360, 15.6627,
9.6344

■ 14.8622, 17.0034,
15.0175

■ 10.8795, 15.1112,
7.5598

■ 16.5451, 17.7986,
18.3644

■ 9.8848, 14.6348,
5.8682

■ 18.4158, 18.6807,
22.1721

■ 9.0440, 14.2300,
4.5363

■ 20.4802, 19.6522,
26.4569

■ 8.3488, 13.8930,
3.5379

■ 22.7437, 20.7157,
31.2346

■ 7.7900, 13.6197,
2.8434

■ 25.2115, 21.8735,
36.5203

■ 7.3558, 13.4050,
2.4122

■ 27.8888, 23.1279,
42.3283

■ 7.1289, 13.2927,
2.1900

■ 30.7803, 24.4811,
48.6724

■ 33.8908, 25.9353,
55.5659

Harmonies

Analogous

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



14.6781, 16.2917, 10.3873



13.3609, 16.2917, 12.1133



12.6395, 16.2917, 15.5270

Triad

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



13.3609, 16.2917, 12.1133



14.6919, 16.2917, 27.9465



18.7235, 16.2917, 15.4896

Complementary

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



13.3609, 16.2917, 12.1133



13.3572, 11.9358, 18.7402

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.



18.7278, 16.2917, 20.1514



13.3609, 16.2917, 12.1133



16.3205, 16.2917, 27.9317

Square

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



13.3609, 16.2917, 12.1133



13.3704, 16.2917, 24.9194



17.8226, 16.2917, 24.8818



17.8111, 16.2917, 12.0901

Rectangle

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



13.3609, 16.2917, 12.1133



12.5588, 16.2917, 18.5573



17.8226, 16.2917, 24.8818



18.8332, 16.2917, 16.9449

Sweetspot

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



13.3613, 16.2924, 12.1137



28.0343, 30.7957, 30.1721



14.8502, 15.6562, 11.9124



6.4186, 7.0677, 6.8833



57.3938, 60.3827, 65.7568



6.9614, 7.3239, 7.9757

Same Dimension

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



13.3613, 16.2924, 12.1137



22.2970, 28.0785, 19.0421



12.7883, 15.9684, 13.3786



3.7299, 4.1442, 3.9456



7.7008, 14.3743, 2.3686



36.7819, 69.6635, 11.5078

Inverse Universe

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



13.3572, 11.9358, 18.7402



22.2870, 19.1282, 32.6544



14.0749, 12.3431, 17.0876



3.7296, 3.7079, 4.6094



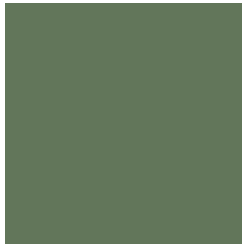
7.5087, 3.4622, 18.8151



35.7167, 16.4211, 91.6474

Previews

White Background



This preview shows how the XYZ color 13.3609, 16.2917, 12.1133 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 13.3609, 16.2917, 12.1133 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 13.3609, 16.2917, 12.1133

Background



This preview shows how black text looks on a background with the XYZ color 13.3609, 16.2917, 12.1133.



This preview shows how white text looks on a background with the XYZ color 13.3609, 16.2917,

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

13.3609, 16.2917, 12.1133

Protanopia

15.1222, 16.1984, 11.3464

Deuteranopia

16.5003, 16.2437, 12.3909



Tritanopia

15.1860, 16.3483, 21.0940

Trichromacy



Original Color

13.3609, 16.2917, 12.1133

Protanomaly

14.3343, 16.1187, 11.5882

Deuteranomaly

15.1537, 16.1952, 12.2248

Tritanomaly

14.3668, 16.1759, 17.4040

Monochromacy



Original Color

13.3609, 16.2917, 12.1133

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

14.0181, 15.5509, 14.8332

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.3609, 16.2917, 12.1133 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(98, 118, 90) looks like.

```
.text, #text, p{  
    color:rgb(98, 118, 90)  
}
```

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(98, 118, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 118, 90) }
```

Border

The CSS property to change the border of an element to XYZ 13.3609, 16.2917, 12.1133 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(98, 118, 90) }
```


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

```
.border{ border-color:rgb(98, 118, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 118, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 118, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 118, 90);  
box-shadow:4px 4px 4px 4px rgb(98, 118,  
90) }
```

Background

The CSS property to change the background color of an element to XYZ 13.3609, 16.2917, 12.1133 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 118, 90) }
```

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

```
.background{ background-color: rgb(98, 118,  
90) }
```

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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