

Converting Colors

XYZ(13.2207, 15.7037, 12.0076)

Have a look what the booklet for
XYZ(13.2207, 15.7037, 12.0076)
contains.

XYZ(13.2317, 15.7090, 12.0076)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(13.2317, 15.7090,
12.0076)**

Conversions

Conversions Part 1

Format	Color
Hex	64735A
RGB	100, 115, 90
RGB Percent	39%, 45%, 35%
CMY	0.6078, 0.5490, 0.6471
CMYK	0.13, 0.00, 0.22, 0.55
HSL	96°, 12%, 40%
HSV	96°, 22%, 45%
XYZ	13.2317, 15.7090, 12.0076
YIQ	107.6650, -0.9150, -10.9550

Conversions

Conversions Part 2

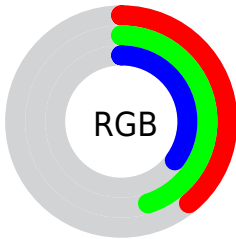
Format	Color
R_{YB}	90, 115, 105
Decimal	6583130
CIE _{Lab}	46.59, -10.65, 12.00
CIE _{LCh}	47, 16.048, 131.576
Yxy	15.7090, 0.3231, 0.3836
Android (android.graphics.Color)	4284773210 (0xFF64735A)
YUV	107.6650, -8.7088, -6.7222
Hunter-Lab	39.6346, -9.7697, 9.7818

Details

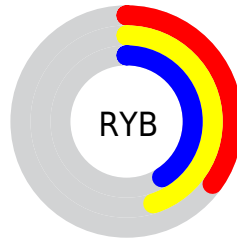
The XYZ color **13.2317, 15.7090, 12.0076** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **12.5771, 11.5539, 17.7878**, and the grayscale version is **14.1842, 14.9229, 16.2510**.

A 20% lighter version of the original color is **31.3148, 36.1102, 30.1304**, and **3.9300, 4.9530, 3.1318** is the 20% darker color. If you saturate the color by 10%, you get **12.0485, 15.1517, 9.5918**, and if you desaturate by 10%, it is **14.5562, 16.3313, 14.8261**.

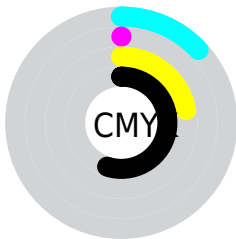
Distribution



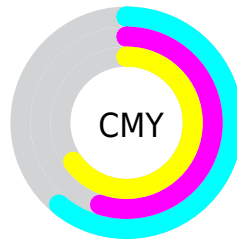
- Red (39%)
- Green (45%)
- Blue (35%)



- Red (35%)
- Yellow (45%)
- Blue (41%)



- Cyan (13%)
- Magenta (0%)
- Yellow (22%)
- Black (55%)



- Cyan (61%)
- Magenta (55%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.2317, 15.7090, 12.0076 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 13.2317, 15.7090, 12.0076 by changing the saturation by 10% instead.

■ 13.2317, 15.7090,
12.0076

■ 13.2317, 15.7090,
12.0076

206.0050,
227.6184, 215.4353

■ 7.6664, 9.3185,
6.6263

■ 31.3172, 36.0923,
30.1736

■ 3.9322, 4.9495,
3.1546

■ 44.5681, 50.8538,
43.7952

■ 1.6639, 2.2177,
1.1741

■ 61.1116, 69.1745,
61.0008

■ 0.4335, 0.7296,
0.0000

■ 81.3130, 91.4386,
82.2087

■ 0.0000, 0.0000,
0.0000

■ 105.5377,
118.0307, 107.8376

134.1510,

149.3351, 138.3060

167.5183,
185.7362, 174.0324

■ 13.2317, 15.7090,
12.0076

■ 13.2317, 15.7090,
12.0076

■ 12.0485, 15.1517,
9.5918

■ 14.5562, 16.3313,
14.8261

■ 11.0002, 14.6553,
7.5592

■ 16.0255, 17.0186,
18.0635

■ 10.0819, 14.2178,
5.8905

■ 17.6446, 17.7736,
21.7363

■ 9.2878, 13.8370,
4.5641

■ 19.4178, 18.5983,
25.8598

■ 8.6115, 13.5100,
3.5562

■ 21.3493, 19.4945,
30.4485

■ 8.0461, 13.2337,
2.8397

■ 23.4430, 20.4638,
35.5165

■ 7.5835, 13.0049,
2.3833

■ 25.7028, 21.5081,
41.0770

■ 7.2575, 12.8428,
2.0964

■ 28.1324, 22.6288,
47.1429

■ 30.7354, 23.8277,
53.7264

Harmonies

Analogous

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



14.4026, 15.7090, 10.6652



13.2317, 15.7090, 12.0076



12.5431, 15.7090, 14.8043

Triad

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



13.2317, 15.7090, 12.0076



14.1046, 15.7090, 25.4133



17.6962, 15.7090, 15.6185

Complementary

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



13.2317, 15.7090, 12.0076



12.5771, 11.5539, 17.7878

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.



17.6041, 15.7090, 19.6312



13.2317, 15.7090, 12.0076



15.4720, 15.7090, 25.7217

Square

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



13.2317, 15.7090, 12.0076



13.0251, 15.7090, 22.6843



16.7698, 15.7090, 23.4713



17.0141, 15.7090, 12.5240

Rectangle

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



13.2317, 15.7090, 12.0076



12.4228, 15.7090, 17.3151



16.7698, 15.7090, 23.4713



17.7558, 15.7090, 16.8955

Sweetspot

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



13.2321, 15.7097, 12.0079



27.2303, 29.7887, 29.0940



13.9679, 14.4868, 11.7331



6.4712, 7.0948, 6.8858



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.



13.2321, 15.7097, 12.0079



22.6149, 27.6219, 19.2749



12.3014, 15.2174, 12.5294



3.7664, 4.1631, 3.9473



8.2730, 14.6693, 2.3954



39.4037, 71.0151, 11.6305

Inverse Universe

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



12.5771, 11.5539, 17.7878



21.2227, 18.7930, 31.5534



13.6796, 12.1386, 17.0984



3.6916, 3.6883, 4.6076



6.3195, 2.8491, 18.7594



29.8094, 13.3758, 91.3709

Previews

White Background



This preview shows how the XYZ color 13.2317, 15.7090, 12.0076 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 13.2317, 15.7090, 12.0076 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

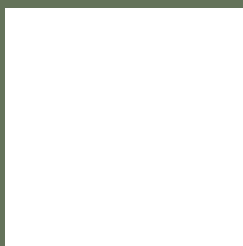
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 13.2317, 15.7090, 12.0076

Background



This preview shows how black text looks on a background with the XYZ color 13.2317, 15.7090, 12.0076.



This preview shows how white text looks on a background with the XYZ color 13.2317, 15.7090,

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

13.2317, 15.7090, 12.0076

Protanopia

14.6735, 15.6383, 11.4776

Deuteranopia

15.8382, 15.5928, 12.3002



Tritanopia

14.9003, 15.7282, 20.0198

Trichromacy



Original Color

13.2317, 15.7090, 12.0076

Protanomaly

14.1529, 15.6891, 11.7336

Deuteranomaly

14.6931, 15.4745, 12.1100

Tritanomaly

14.1480, 15.5760, 16.7288

Monochromacy



Original Color

13.2317, 15.7090, 12.0076

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

13.8591, 15.3117, 14.5369

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.2317, 15.7090, 12.0076 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(100, 115, 90)` looks like.

```
.text, #text, p{  
    color:rgb(100, 115, 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(100, 115, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 115, 90) }
```

Border

The CSS property to change the border of an element to XYZ 13.2317, 15.7090, 12.0076 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(100, 115, 90) }
```


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

```
.border{ border-color:rgb(100, 115, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 115, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 115, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 115, 90);  
box-shadow:4px 4px 4px 4px rgb(100, 115,  
90) }
```

Background

The CSS property to change the background color of an element to XYZ 13.2317, 15.7090, 12.0076 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 115, 90) }
```

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

```
.background{ background-color: rgb(100,  
115, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor