

Converting Colors

XYZ(12.4858, 13.1707, 14.4545)

Have a look what the booklet for
XYZ(12.4858, 13.1707, 14.4545)
contains.

XYZ(12.5165, 13.2288, 14.4641)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

**XYZ(12.5165, 13.2288,
14.4641)**

Conversions

Conversions Part 1

Format	Color
Hex	656666
RGB	101, 102, 102
RGB Percent	40%, 40%, 40%
CMY	0.6039, 0.6000, 0.6000
CMYK	0.01, 0.00, 0.00, 0.60
HSL	180°, 0%, 40%
HSV	180°, 1%, 40%
XYZ	12.5165, 13.2288, 14.4641
YIQ	101.7010, -0.5960, -0.2120

Conversions

Conversions Part 2

Format	Color
R_{YB}	101, 102, 102
Decimal	6645350
CIE Lab	43.11, -0.39, -0.14
CIE LCh	43, 0.411, 200.159
Yxy	13.2288, 0.3113, 0.3290
Android (android.graphics.Color)	4284835430 (0xFF656666)
YUV	101.7010, 0.1474, -0.6148
Hunter-Lab	36.3714, -2.2228, 1.8817

Details

The XYZ color **12.5165, 13.2288, 14.4641** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **12.4827, 13.0721, 14.1779**, and the grayscale version is **12.5514, 13.2051, 14.3803**.

A 20% lighter version of the original color is **30.0899, 31.7578, 34.6809**, and **3.5771, 3.7925, 4.1579** is the 20% darker color. If you saturate the color by 10%, you get **11.4437, 12.6762, 14.4088**, and if you desaturate by 10%, it is **13.7319, 13.8556, 14.5266**.

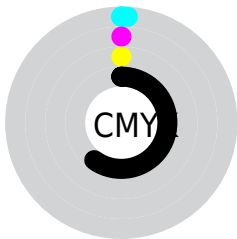
Distribution



- Red (40%)
- Green (40%)
- Blue (40%)



- Red (40%)
- Yellow (40%)
- Blue (40%)



- Cyan (1%)
- Magenta (0%)
- Yellow (0%)
- Black (60%)



- Cyan (60%)
- Magenta (60%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.5165, 13.2288, 14.4641 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 12.5165, 13.2288, 14.4641 by changing the saturation by 10% instead.

■ 12.5165, 13.2288,
14.4641

■ 12.5165, 13.2288,
14.4641

201.4962,
212.3789, 231.6272

■ 7.1712, 7.5863,
8.3017

■ 30.0411, 31.7142,
34.6392

■ 3.6167, 3.8314,
4.1981

■ 42.9511, 45.3259,
49.4890

■ 1.4876, 1.5797,
1.7346

■ 59.1134, 62.3628,
68.0716

■ 0.3174, 0.3439,
0.3843

■ 78.8933, 83.2093,
90.8057

■ 0.0000, 0.0000,
0.0000

102.6562,
108.2497, 118.1098

130.7674,

137.8685, 150.4023

163.5922,
172.4501, 188.1020

■ 12.5165, 13.2288,
14.4641

■ 12.5165, 13.2288,
14.4641

■ 11.4437, 12.6762,
14.4088

■ 13.7319, 13.8556,
14.5266

■ 10.5071, 12.1935,
14.3596

■ 15.0935, 14.5574,
14.5957

■ 9.7016, 11.7784,
14.3166

■ 16.6066, 15.3373,
14.6719

■ 9.0214, 11.4279,
14.2794

■ 18.2754, 16.1975,
14.7553

■ 8.4602, 11.1387,
14.2478

■ 20.1044, 17.1403,
14.8463

■ 8.0111, 10.9073,
14.2214

■ 22.0976, 18.1677,
14.9449

■ 7.6666, 10.7298,
14.1999

■ 24.2589, 19.2818,
15.0515

■ 7.4182, 10.6018,
14.1829

■ 26.5923, 20.4846,
15.1660

■ 7.2559, 10.5183,
14.1700

■ 29.1014, 21.7779,
15.2888

Harmonies

Analogous

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



12.5137, 13.2288, 14.3741



12.5165, 13.2288, 14.4641



12.5346, 13.2288, 14.5382

Triad

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



12.5165, 13.2288, 14.4641



12.6204, 13.2288, 14.5159



12.5840, 13.2288, 14.2328

Complementary

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



12.5165, 13.2288, 14.4641



12.4827, 13.0721, 14.1779

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.



12.6126, 13.2288, 14.2704



12.5165, 13.2288, 14.4641



12.6337, 13.2288, 14.4337

Square

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



12.5165, 13.2288, 14.4641



12.5946, 13.2288, 14.5682



12.6308, 13.2288, 14.3439



12.5526, 13.2288, 14.2408

Rectangle

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



12.5165, 13.2288, 14.4641



12.5529, 13.2288, 14.5686



12.6308, 13.2288, 14.3439



12.5943, 13.2288, 14.2405

Sweetspot

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



12.5169, 13.2294, 14.4644



22.1487, 23.3022, 25.3761



12.4694, 13.2106, 14.2048



5.2251, 5.4972, 5.9864



51.1593, 53.8236, 58.6138

Same Dimension

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



12.5169, 13.2294, 14.4644



21.9413, 23.1953, 25.3654



12.4695, 13.1345, 14.4491



3.1210, 3.2973, 3.6038



9.1691, 13.4312, 18.1836



47.8173, 70.0495, 94.8150

Inverse Universe

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



12.4827, 13.0721, 14.1779



21.8785, 22.9066, 24.8395



12.5297, 13.1664, 14.1931



3.1133, 3.2617, 3.5389



7.0387, 3.6284, 0.3361



36.7065, 18.9226, 1.7319

Previews

White Background



This preview shows how the XYZ color 12.5165, 13.2288, 14.4641 looks on a white background.

Color Contrast Check

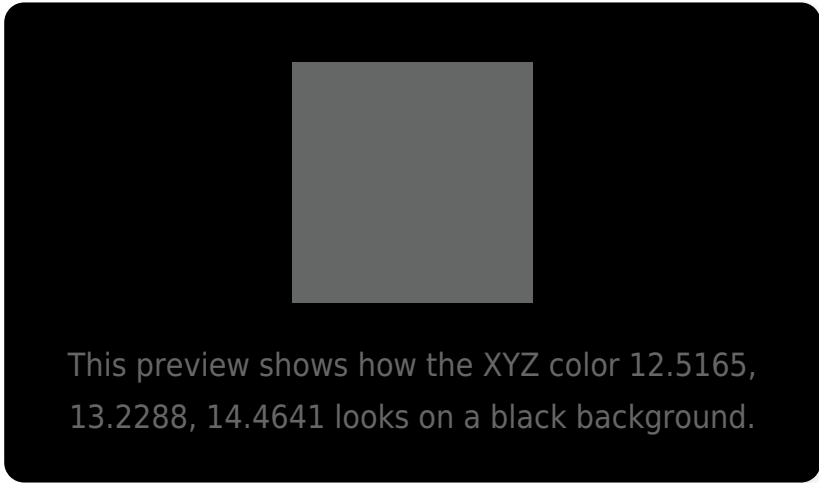
Large Text (above 18pt) WCAG AA ✓ Pass

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

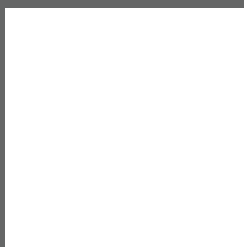
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.5165, 13.2288, 14.4641

Background



This preview shows how black text looks on a background with the XYZ color 12.5165, 13.2288, 14.4641.



This preview shows how white text looks on a background with the XYZ color 12.5165, 13.2288,

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

12.5165, 13.2288, 14.4641

Protanopia

12.7609, 13.2097, 14.4475

Deuteranopia

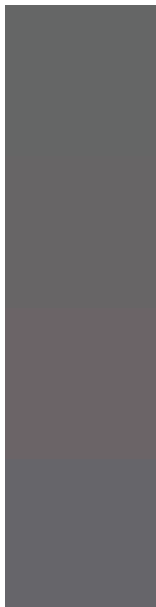
13.4656, 13.2825, 14.6860



Tritanopia

12.8935, 13.2363, 16.3433

Trichromacy



Original Color

12.5165, 13.2288, 14.4641

Protanomaly

12.6455, 13.1502, 14.4421

Deuteranomaly

13.0688, 13.2194, 14.6948

Tritanomaly

12.7347, 13.1727, 15.5071

Monochromacy



Original Color

12.5165, 13.2288, 14.4641

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

12.6291, 13.2868, 14.4694

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.5165, 13.2288, 14.4641 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(101, 102, 102)` looks like.

```
.text, #text, p{  
    color:rgb(101, 102, 102)  
}
```

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(101, 102, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 102, 102) }
```

Border

The CSS property to change the border of an element to XYZ 12.5165, 13.2288, 14.4641 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(101, 102, 102) }
```

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

```
.border{ border-color:rgb(101, 102, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 102, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 102, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 102, 102);  
box-shadow:4px 4px 4px 4px rgb(101, 102,  
102) }
```


Background

The CSS property to change the background color of an element to XYZ 12.5165, 13.2288, 14.4641 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 102, 102) }
```

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

```
.background{ background-color: rgb(101,  
102, 102) }
```

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