

Converting Colors

XYZ(12.5786, 16.1702, 14.1642)

Have a look what the booklet for
XYZ(12.5786, 16.1702, 14.1642)
contains.

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Color

**XYZ(12.6248, 16.2186,
14.2695)**

Conversions

Conversions Part 1

Format	Color
Hex	547863
RGB	84, 120, 99
RGB Percent	33%, 47%, 39%
CMY	0.6706, 0.5294, 0.6118
CMYK	0.30, 0.00, 0.18, 0.53
HSL	145°, 18%, 40%
HSV	145°, 30%, 47%
XYZ	12.6248, 16.2186, 14.2695
YIQ	106.8420, -14.7150, -14.1630

Conversions

Conversions Part 2

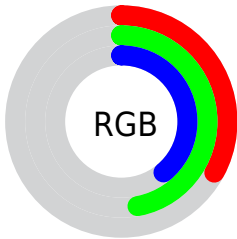
Format	Color
RYB	84, 109, 120
Decimal	5535843
CIELab	47.26, -17.56, 7.48
CIElCh	47, 19.086, 156.927
Yxy	16.2186, 0.2928, 0.3762
Android (android.graphics.Color)	4283725923 (0xFF547863)
YUV	106.8420, -3.8661, -20.0324
Hunter-Lab	40.2723, -14.5194, 7.1827

Details

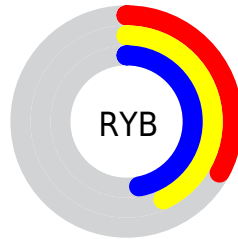
The XYZ color **12.6248, 16.2186, 14.2695** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **13.4665, 11.3541, 14.8472**, and the grayscale version is **13.9450, 14.6713, 15.9770**.

A 20% lighter version of the original color is **30.2492, 36.8580, 34.3742**, and **3.6360, 5.1477, 4.0508** is the 20% darker color. If you saturate the color by 10%, you get **11.3211, 15.5840, 12.5367**, and if you desaturate by 10%, it is **14.1424, 16.9610, 16.1645**.

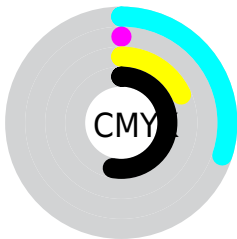
Distribution



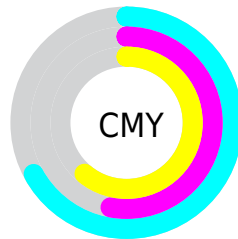
- Red (33%)
- Green (47%)
- Blue (39%)



- Red (33%)
- Yellow (43%)
- Blue (47%)



- Cyan (30%)
- Magenta (0%)
- Yellow (18%)
- Black (53%)



- Cyan (67%)
- Magenta (53%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.6248, 16.2186, 14.2695 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 12.6248, 16.2186, 14.2695 by changing the saturation by 10% instead.

■ 12.6248, 16.2186,
14.2695

■ 12.6248, 16.2186,
14.2695

202.1854,
230.6282, 230.3874

■ 7.2459, 9.6790,
8.1675

■ 30.2351, 36.9773,
34.2904

■ 3.6641, 5.1866,
4.1130

■ 43.1973, 51.9651,
49.0464

■ 1.5139, 2.3572,
1.6875

■ 59.4179, 70.5379,
67.5241

■ 0.3353, 0.8037,
0.3522

■ 79.2624, 93.0798,
90.1421

■ 0.0000, 0.0000,
0.0000

■ 103.0960,
119.9755, 117.3189

131.2841,

151.6091, 149.4730

164.1922,
188.3652, 187.0230

■ 12.6248, 16.2186,
14.2695

■ 12.6248, 16.2186,
14.2695

■ 11.3211, 15.5840,
12.5367

■ 14.1424, 16.9610,
16.1645

■ 10.2200, 15.0501,
10.9607

■ 15.8821, 17.8141,
18.2247

■ 9.3109, 14.6120,
9.5373

■ 17.8531, 18.7829,
20.4545

■ 8.5816, 14.2635,
8.2620

■ 20.0638, 19.8716,
22.8578

■ 8.0188, 13.9979,
7.1296

■ 22.5222, 21.0844,
25.4381

■ 7.6069, 13.8071,
6.1348

■ 25.2356, 22.4249,
28.1991

■ 7.2924, 13.6638,
5.2704

■ 28.2115, 23.8969,
31.1443

■ 7.2924, 13.6638,
5.2704

■ 31.4567, 25.5039,
34.2771

■ 34.9780, 27.2493,
37.6008

Harmonies

Analogous

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



13.5511, 16.2186, 11.2366



12.6248, 16.2186, 14.2695



12.4199, 16.2186, 18.8012

Triad

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



12.6248, 16.2186, 14.2695



15.8090, 16.2186, 28.5538



18.1505, 16.2186, 12.6545

Complementary

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



12.6248, 16.2186, 14.2695



13.4665, 11.3541, 14.8472

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.



18.8572, 16.2186, 16.5646



12.6248, 16.2186, 14.2695



17.4431, 16.2186, 26.1555

Square

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



12.6248, 16.2186, 14.2695



14.1811, 16.2186, 27.6354



18.5894, 16.2186, 21.5474



16.7190, 16.2186, 10.4295

Rectangle

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



12.6248, 16.2186, 14.2695



12.7055, 16.2186, 22.1991



18.5894, 16.2186, 21.5474



18.4853, 16.2186, 13.7849

Sweetspot

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



12.6252, 16.2193, 14.2699



28.1880, 31.4559, 32.3476



14.2137, 17.1135, 10.9419



6.5863, 7.4086, 7.5574



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



12.6252, 16.2193, 14.2699



20.5870, 27.7372, 22.9693



13.5489, 16.5887, 19.1338



4.0137, 4.4751, 4.6060



7.9485, 14.9030, 5.7135



37.5110, 70.9274, 25.1269

Inverse Universe

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



13.4665, 11.3541, 14.8472



22.3175, 17.7237, 24.1531



12.6615, 11.0321, 10.6083



4.0872, 4.0506, 4.6567



9.6491, 4.8358, 6.7092



45.5956, 22.8946, 29.7303

Previews

White Background



This preview shows how the XYZ color 12.6248, 16.2186, 14.2695 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 12.6248, 16.2186, 14.2695 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 12.6248, 16.2186, 14.2695

Background



This preview shows how black text looks on a background with the XYZ color 12.6248, 16.2186, 14.2695.



This preview shows how white text looks on a background with the XYZ color 12.6248, 16.2186,

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

12.6248, 16.2186, 14.2695

Protanopia

15.2212, 16.0467, 13.1215

Deuteranopia

16.3650, 16.1201, 14.8193



Tritanopia

14.1311, 16.1210, 22.1055

Trichromacy



Original Color

12.6248, 16.2186, 14.2695

Protanomaly

14.0725, 15.9433, 13.4020

Deuteranomaly

14.6987, 15.9074, 14.6077

Tritanomaly

13.4442, 16.0098, 18.9046

Monochromacy



Original Color

12.6248, 16.2186, 14.2695

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

13.4385, 15.2405, 15.3301

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.6248, 16.2186, 14.2695 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(84, 120, 99)` looks like.

```
.text, #text, p{  
    color:rgb(84, 120, 99)  
}
```

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(84, 120, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 120, 99) }
```

Border

The CSS property to change the border of an element to XYZ 12.6248, 16.2186, 14.2695 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(84, 120, 99) }
```


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

```
.border{ border-color:rgb(84, 120, 99) }
```

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

Here you see how a box with a 4 pixel rgb(84, 120, 99) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 120, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 120, 99);  
box-shadow:4px 4px 4px 4px rgb(84, 120,  
99) }
```

Background

The CSS property to change the background color of an element to XYZ 12.6248, 16.2186, 14.2695 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 120, 99) }
```

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

```
.background{ background-color: rgb(84, 120,  
99) }
```

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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