

Converting Colors

XYZ(12.0334, 15.4038, 17.5560)

Have a look what the booklet for
XYZ(12.0334, 15.4038, 17.5560)
contains.

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Color

**XYZ(12.0756, 15.5044,
17.6854)**

Conversions

Conversions Part 1

Format	Color
Hex	487670
RGB	72, 118, 112
RGB Percent	28%, 46%, 44%
CMY	0.7176, 0.5372, 0.5608
CMYK	0.39, 0.00, 0.05, 0.54
HSL	172°, 24%, 37%
HSV	172°, 39%, 46%
XYZ	12.0756, 15.5044, 17.6854
YIQ	103.5620, -25.4900, -11.6180

Conversions

Conversions Part 2

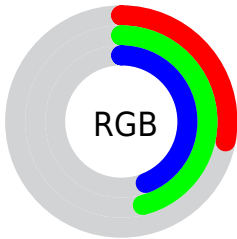
Format	Color
R_{YB}	72, 97, 118
Decimal	4748912
CIE _{Lab}	46.32, -17.25, -1.68
CIE _{LCh}	46, 17.333, 185.558
Yxy	15.5044, 0.2668, 0.3425
Android (android.graphics.Color)	4282938992 (0xFF487670)
YUV	103.5620, 4.1599, -27.6799
Hunter-Lab	39.3756, -14.1655, 0.9331

Details

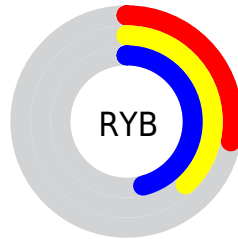
The XYZ color **12.0756, 15.5044, 17.6854** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **11.1643, 9.0369, 8.3644**, and the grayscale version is **13.0357, 13.7146, 14.9352**.

A 20% lighter version of the original color is **29.2439, 35.6407, 40.4600**, and **3.3844, 4.7970, 5.5980** is the 20% darker color. If you saturate the color by 10%, you get **11.1941, 15.0602, 17.2008**, and if you desaturate by 10%, it is **13.1284, 16.0375, 18.1863**.

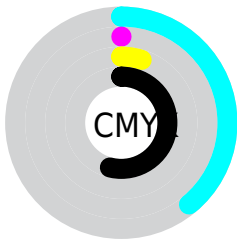
Distribution



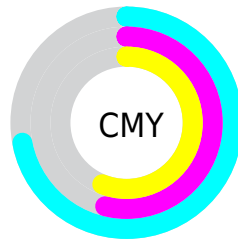
- Red (28%)
- Green (46%)
- Blue (44%)



- Red (28%)
- Yellow (38%)
- Blue (46%)



- Cyan (39%)
- Magenta (0%)
- Yellow (5%)
- Black (54%)



- Cyan (72%)
- Magenta (54%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.0756, 15.5044, 17.6854 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 12.0756, 15.5044, 17.6854 by changing the saturation by 10% instead.

■ 12.0756, 15.5044,
17.6854

■ 12.0756, 15.5044,
17.6854

198.6648,
226.3992, 251.2681

■ 6.8678, 9.1741,
10.5573

■ 29.2484, 35.7357,
40.3072

■ 3.4251, 4.8549,
5.6596

■ 41.9440, 50.4054,
56.6379

■ 1.3824, 2.1624,
2.5738

■ 57.8663, 68.6239,
76.8733

■ 0.2436, 0.6994,
0.8789

■ 77.3806, 90.7753,
101.4318

■ 0.0000, 0.0000,
0.0000

■ 100.8522,
117.2442, 130.7319

128.6466,

148.4149, 165.1924

161.1290,
184.6717, 205.2316

■ 12.0756, 15.5044,
17.6854

■ 12.0756, 15.5044,
17.6854

■ 11.1941, 15.0602,
17.2008

■ 13.1284, 16.0375,
18.1863

■ 10.4728, 14.6980,
16.7310

■ 14.3600, 16.6623,
18.7030

■ 9.9014, 14.4129,
16.2757

■ 15.7792, 17.3836,
19.2362

■ 9.4681, 14.1988,
15.8345

■ 17.3939, 18.2055,
19.7863

■ 9.1588, 14.0485,
15.4066

■ 19.2112, 19.1317,
20.3537

■ 8.9300, 13.9396,
14.9899

■ 21.2383, 20.1658,
20.9387

■ 8.9072, 13.9287,
14.9479

■ 23.4816, 21.3113,
21.5417

■ 25.9477, 22.5714,
22.1631

■ 28.6424, 23.9492,
22.8030

Harmonies

Analogous

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



12.2890, 15.5044, 13.7218



12.0756, 15.5044, 17.6854



12.5354, 15.5044, 22.0924

Triad

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



12.0756, 15.5044, 17.6854



16.4584, 15.5044, 24.4386



15.9486, 15.5044, 10.4827

Complementary

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



12.0756, 15.5044, 17.6854



11.1643, 9.0369, 8.3644

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.



17.1812, 15.5044, 12.5623



12.0756, 15.5044, 17.6854



17.4891, 15.5044, 20.4928

Square

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



12.0756, 15.5044, 17.6854



15.0145, 15.5044, 26.3887



17.7620, 15.5044, 16.1026



14.4619, 15.5044, 9.9858

Rectangle

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



12.0756, 15.5044, 17.6854



13.1812, 15.5044, 24.5556



17.7620, 15.5044, 16.1026



16.4095, 15.5044, 11.0005

Sweetspot

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



12.0760, 15.5050, 17.6858



26.8789, 30.1251, 33.5082



10.8015, 15.0507, 8.4672



6.1252, 6.8984, 7.6838



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.



12.0760, 15.5050, 17.6858



19.7972, 26.5377, 30.3118



10.6097, 12.0196, 18.9010



3.7637, 4.1475, 4.5898



9.6328, 15.0671, 16.1541



46.7177, 73.3343, 77.5414

Inverse Universe

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



11.1643, 9.0369, 8.3644



17.9516, 13.4168, 11.4220



12.2028, 11.4426, 7.6969



3.7016, 3.7079, 3.9555



8.1761, 4.2042, 0.8695



39.6575, 20.4131, 3.2598

Previews

White Background



This preview shows how the XYZ color 12.0756, 15.5044, 17.6854 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 12.0756, 15.5044, 17.6854 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

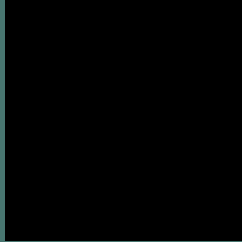
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.0756, 15.5044, 17.6854

Background



This preview shows how black text looks on a background with the XYZ color 12.0756, 15.5044, 17.6854.



This preview shows how white text looks on a background with the XYZ color 12.0756, 15.5044,

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

12.0756, 15.5044, 17.6854

Protanopia

14.8046, 15.4436, 16.1105

Deuteranopia

15.5847, 15.3278, 18.3568



Tritanopia

12.8487, 15.4673, 21.7103

Trichromacy



Original Color

12.0756, 15.5044, 17.6854

Protanomaly

13.4843, 15.2339, 16.6977

Deuteranomaly

13.9800, 15.1335, 18.1038

Tritanomaly

12.5755, 15.5345, 20.1050

Monochromacy



Original Color

12.0756, 15.5044, 17.6854

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

12.5361, 14.2741, 16.0044

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.0756, 15.5044, 17.6854 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(72, 118, 112)` looks like.

```
.text, #text, p{  
    color:rgb(72, 118, 112)  
}
```

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(72, 118, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 118, 112) }
```

Border

The CSS property to change the border of an element to XYZ 12.0756, 15.5044, 17.6854 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(72, 118, 112) }
```


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

```
.border{ border-color:rgb(72, 118, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 118, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 118, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 118, 112);  
box-shadow:4px 4px 4px 4px rgb(72, 118,  
112) }
```

Background

The CSS property to change the background color of an element to XYZ 12.0756, 15.5044, 17.6854 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 118, 112) }
```

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

```
.background{ background-color: rgb(72, 118,  
112) }
```

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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