

Converting Colors

XYZ(10.1512, 12.5000, 15.3577)

Have a look what the booklet for
XYZ(10.1512, 12.5000, 15.3577)
contains.

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Color

**XYZ(10.0556, 12.3883,
15.2258)**

Conversions

Conversions Part 1

Format	Color
Hex	456969
RGB	69, 105, 105
RGB Percent	27%, 41%, 41%
CMY	0.7294, 0.5882, 0.5882
CMYK	0.34, 0.00, 0.00, 0.59
HSL	180°, 21%, 34%
HSV	180°, 34%, 41%
XYZ	10.0556, 12.3883, 15.2258
YIQ	94.2360, -21.4560, -7.6320

Conversions

Conversions Part 2

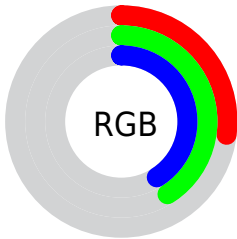
Format	Color
RYB	69, 87, 105
Decimal	4548969
CIELab	41.83, -12.77, -4.11
CIELCh	42, 13.418, 197.828
Yxy	12.3883, 0.2669, 0.3289
Android (android.graphics.Color)	4282739049 (0xFF456969)
YUV	94.2360, 5.3067, -22.1320
Hunter-Lab	35.1970, -10.5983, -1.0102

Details

The XYZ color **10.0556, 12.3883, 15.2258** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **9.0284, 7.6895, 6.6390**, and the grayscale version is **10.6869, 11.2435, 12.2441**.

A 20% lighter version of the original color is **25.4970, 30.0992, 35.9184**, and **2.5860, 3.4910, 4.5405** is the 20% darker color. If you saturate the color by 10%, you get **9.3758, 12.0382, 15.1941**, and if you desaturate by 10%, it is **10.8680, 12.8074, 15.2642**.

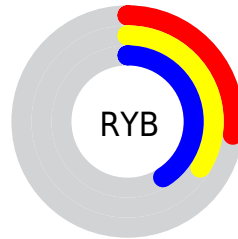
Distribution



Red (27%)

Green (41%)

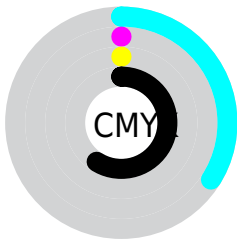
Blue (41%)



Red (27%)

Yellow (34%)

Blue (41%)

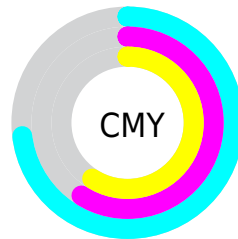


Cyan (34%)

Magenta (0%)

Yellow (0%)

Black (59%)



Cyan (73%)

Magenta (59%)

Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.0556, 12.3883, 15.2258 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 10.0556, 12.3883, 15.2258 by changing the saturation by 10% instead.

■ 10.0556, 12.3883,
15.2258

■ 10.0556, 12.3883,
15.2258

185.1138,
206.9593, 236.4166

■ 5.4984, 7.0087,
8.8296

■ 25.5488, 30.2004,
35.9967

■ 2.5803, 3.4675,
4.5349

■ 37.2154, 43.4016,
51.2085

■ 0.9359, 1.3804,
1.9232

■ 51.9826, 59.9789,
70.1960

■ 0.0000, 0.2022,
0.5074

■ 70.2156, 80.3166,
93.3776

■ 0.0000, 0.0000,
0.0000

■ 92.2799, 104.7991,
121.1719

118.5408,

133.8107, 153.9975

149.3636,
167.7360, 192.2729

■ 10.0556, 12.3883,
15.2258

■ 10.0556, 12.3883,
15.2258

■ 9.3758, 12.0382,
15.1941

■ 10.8680, 12.8074,
15.2642

■ 8.8206, 11.7519,
15.1680

■ 11.8183, 13.2973,
15.3088

■ 8.3826, 11.5262,
15.1474

■ 12.9129, 13.8616,
15.3601

■ 8.0536, 11.3565,
15.1319

■ 14.1575, 14.5032,
15.4185

■ 7.8239, 11.2381,
15.1210

■ 15.5575, 15.2249,
15.4841

■ 7.6766, 11.1622,
15.1140

■ 17.1179, 16.0293,
15.5573

■ 7.6015, 11.1235,
15.1105

■ 18.8436, 16.9190,
15.6381

■ 20.7392, 17.8962,
15.7270

■ 22.8093, 18.9634,
15.8240

Harmonies

Analogous

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



10.0119, 12.3883, 12.3728



10.0556, 12.3883, 15.2258



10.5436, 12.3883, 17.9410

Triad

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



10.0556, 12.3883, 15.2258



13.2410, 12.3883, 17.4853



12.1802, 12.3883, 8.8348

Complementary

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



10.0556, 12.3883, 15.2258



9.0284, 7.6895, 6.6390

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.



13.0981, 12.3883, 9.8417



10.0556, 12.3883, 15.2258



13.7331, 12.3883, 14.6699

Square

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



10.0556, 12.3883, 15.2258



12.3666, 12.3883, 19.3659



13.6794, 12.3883, 11.8891



11.2020, 12.3883, 8.9401

Rectangle

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



10.0556, 12.3883, 15.2258



11.0715, 12.3883, 19.1868



13.6794, 12.3883, 11.8891



12.5070, 12.3883, 9.0478

Sweetspot

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



10.0560, 12.3888, 15.2261



21.9133, 24.1971, 27.4464



8.6231, 11.8206, 7.4575



5.0876, 5.6447, 6.4272



52.6788, 55.4222, 60.3547



5.6320, 5.9254, 6.4527

Same Dimension

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



10.0560, 12.3888, 15.2261



17.0253, 21.6773, 27.2170



8.4613, 9.1994, 14.6949



3.1818, 3.4919, 3.9412



9.6246, 14.0839, 19.1320



49.0413, 71.7636, 97.4852

Inverse Universe

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



9.0284, 7.6895, 6.6390



14.8866, 11.8965, 9.3445



10.2601, 10.1530, 7.0493



3.0998, 3.1168, 3.2557



7.3765, 3.8027, 0.3454



37.5865, 19.3765, 1.7593

Previews

White Background



This preview shows how the XYZ color 10.0556, 12.3883, 15.2258 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 10.0556, 12.3883, 15.2258 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

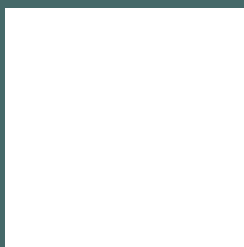
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 10.0556, 12.3883, 15.2258

Background



This preview shows how black text looks on a background with the XYZ color 10.0556, 12.3883, 15.2258.



This preview shows how white text looks on a background with the XYZ color 10.0556, 12.3883,

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

10.0556, 12.3883, 15.2258

Protanopia

11.8622, 12.3276, 14.0662

Deuteranopia

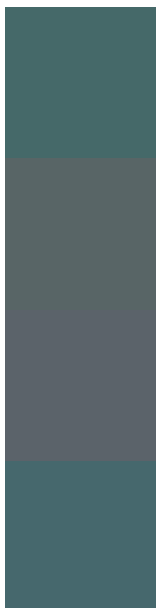
12.5456, 12.3703, 15.6364



Tritanopia

10.4735, 12.4101, 17.1726

Trichromacy



Original Color

10.0556, 12.3883, 15.2258

Protanomaly

11.0765, 12.3414, 14.3687

Deuteranomaly

11.3777, 12.1884, 15.3886

Tritanomaly

10.2364, 12.3068, 16.3039

Monochromacy



Original Color

10.0556, 12.3883, 15.2258

Achromatopsia

10.6392, 11.1932, 12.1894

Achromatomaly

10.3186, 11.5485, 13.2405

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.0556, 12.3883, 15.2258 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(69, 105, 105)` looks like.

```
.text, #text, p{  
  color:rgb(69, 105, 105)  
}
```

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(69, 105, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 105, 105) }
```

Border

The CSS property to change the border of an element to XYZ 10.0556, 12.3883, 15.2258 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(69, 105, 105) }
```


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

```
.border{ border-color:rgb(69, 105, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 105, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 105, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 105, 105);  
box-shadow:4px 4px 4px 4px rgb(69, 105,  
105) }
```

Background

The CSS property to change the background color of an element to XYZ 10.0556, 12.3883, 15.2258 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 105, 105) }
```

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

```
.background{ background-color: rgb(69, 105,  
105) }
```

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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