

Converting Colors

XYZ(10.6467, 12.8581, 15.8582)

Have a look what the booklet for
XYZ(10.6467, 12.8581, 15.8582)
contains.

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Color

**XYZ(10.6319, 12.8255,
15.8251)**

Conversions

Conversions Part 1

Format	Color
Hex	4A6A6B
RGB	74, 106, 107
RGB Percent	29%, 42%, 42%
CMY	0.7098, 0.5843, 0.5804
CMYK	0.31, 0.01, 0.00, 0.58
HSL	182°, 18%, 35%
HSV	182°, 31%, 42%
XYZ	10.6319, 12.8255, 15.8251
YIQ	96.5460, -19.3930, -6.4730

Conversions

Conversions Part 2

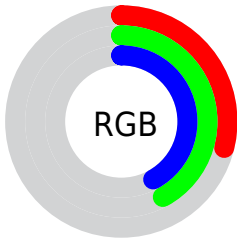
Format	Color
R_{YB}	74, 90, 107
Decimal	4876907
CIE _{Lab}	42.50, -11.24, -4.29
CIE _{LCh}	42, 12.030, 200.909
Yxy	12.8255, 0.2707, 0.3265
Android (android.graphics.Color)	4283066987 (0xFF4A6A6B)
YUV	96.5460, 5.1538, -19.7728
Hunter-Lab	35.8127, -9.6800, -1.1305

Details

The XYZ color **10.6319, 12.8255, 15.8251** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **9.8156, 8.6523, 7.6314**, and the grayscale version is **11.2426, 11.8281, 12.8808**.

A 20% lighter version of the original color is **26.5407, 30.8676, 36.9070**, and **2.8316, 3.6872, 4.8374** is the 20% darker color. If you saturate the color by 10%, you get **9.8440, 12.3702, 15.7790**, and if you desaturate by 10%, it is **11.5608, 13.3543, 15.8784**.

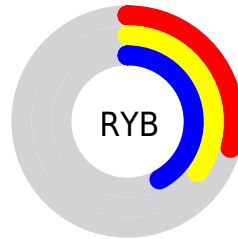
Distribution



Red (29%)

Green (42%)

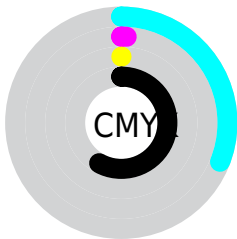
Blue (42%)



Red (29%)

Yellow (35%)

Blue (42%)

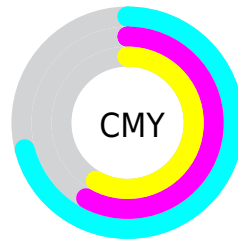


Cyan (31%)

Magenta (1%)

Yellow (0%)

Black (58%)



Cyan (71%)

Magenta (58%)

Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.6319, 12.8255, 15.8251 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 10.6319, 12.8255, 15.8251 by changing the saturation by 10% instead.

■ 10.6319, 12.8255,
15.8251

■ 10.6319, 12.8255,
15.8251

189.0854,
209.7963, 240.1178

■ 5.8854, 7.3085,
9.2475

■ 26.6165, 30.9899,
37.0569

■ 2.8155, 3.6558,
4.8039

■ 38.5852, 44.4061,
52.5481

■ 1.0570, 1.4829,
2.0760

■ 53.6921, 61.2242,
71.8475

■ 0.0000, 0.2767,
0.6014

■ 72.3024, 81.8285,
95.3738

■ 0.0000, 0.0000,
0.0000

■ 94.7815, 106.6035,
123.5454

121.4948,

135.9335, 156.7810

152.8076,
170.2030, 195.4989

■ 10.6319, 12.8255,
15.8251

■ 10.6319, 12.8255,
15.8251

■ 9.8440, 12.3702,
15.7790

■ 11.5608, 13.3543,
15.8784

■ 9.1890, 11.9833,
15.7388

■ 12.6362, 13.9585,
15.9384

■ 8.6595, 11.6613,
15.7046

■ 13.8647, 14.6418,
16.0055

■ 8.2469, 11.3997,
15.6758

■ 15.2520, 15.4072,
16.0801

■ 7.9417, 11.1937,
15.6521

■ 16.8038, 16.2575,
16.1625

■ 7.7330, 11.0376,
15.6330

■ 18.5252, 17.1954,
16.2528

■ 7.5805, 10.9148,
15.6173

■ 20.4212, 18.2236,
16.3513

■ 22.4967, 19.3445,
16.4583

■ 24.7563, 20.5605,
16.5739

Harmonies

Analogous

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



10.5473, 12.8255, 13.1900



10.6319, 12.8255, 15.8251



11.1228, 12.8255, 18.2133

Triad

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



10.6319, 12.8255, 15.8251



13.5952, 12.8255, 17.3586



12.4680, 12.8255, 9.5889

Complementary

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



10.6319, 12.8255, 15.8251



9.8156, 8.6523, 7.6314

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.



13.3239, 12.8255, 10.4344



10.6319, 12.8255, 15.8251



13.9956, 12.8255, 14.7693

Square

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



10.6319, 12.8255, 15.8251



12.8236, 12.8255, 19.1722



13.8939, 12.8255, 12.2563



11.5781, 12.8255, 9.7976

Rectangle

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



10.6319, 12.8255, 15.8251



11.6284, 12.8255, 19.2392



13.8939, 12.8255, 12.2563



12.7699, 12.8255, 9.7549

Sweetspot

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



10.6323, 12.8260, 15.8254



22.9571, 25.1789, 28.5577



9.3366, 12.4733, 8.4918



5.4987, 6.0621, 6.9090



54.2243, 57.0482, 62.1254



6.0569, 6.3724, 6.9395

Same Dimension

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



10.6323, 12.8260, 15.8254



17.9969, 22.3658, 28.2762



9.1300, 9.8215, 15.3246



3.1743, 3.4770, 3.9387



9.2179, 13.2702, 18.9978



46.8497, 67.3779, 96.7622

Inverse Universe

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



11.1140, 9.0642, 14.8001



19.0134, 14.4902, 26.0986



11.0450, 11.1111, 8.0412



3.2138, 3.1624, 3.8562



10.3997, 5.0120, 16.2649



52.9303, 25.5141, 82.5588

Previews

White Background



This preview shows how the XYZ color 10.6319, 12.8255, 15.8251 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 10.6319, 12.8255, 15.8251 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 10.6319, 12.8255, 15.8251

Background



This preview shows how black text looks on a background with the XYZ color 10.6319, 12.8255, 15.8251.



This preview shows how white text looks on a background with the XYZ color 10.6319, 12.8255,

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

10.6319, 12.8255, 15.8251

Protanopia

12.2769, 12.6697, 14.6304

Deuteranopia

12.9789, 12.7177, 16.2387



Tritanopia

11.0127, 12.8319, 17.5192

Trichromacy



Original Color

10.6319, 12.8255, 15.8251

Protanomaly

11.5644, 12.7264, 14.9436

Deuteranomaly

11.8800, 12.5767, 15.9888

Tritanomaly

10.8225, 12.7467, 16.9289

Monochromacy



Original Color

10.6319, 12.8255, 15.8251

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

11.0260, 12.1778, 14.0813

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.6319, 12.8255, 15.8251 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(74, 106, 107)` looks like.

```
.text, #text, p{  
    color:rgb(74, 106, 107)  
}
```

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(74, 106, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 106, 107) }
```

Border

The CSS property to change the border of an element to XYZ 10.6319, 12.8255, 15.8251 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(74, 106, 107) }
```


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

```
.border{ border-color:rgb(74, 106, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 106, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 106, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 106, 107);  
box-shadow:4px 4px 4px 4px rgb(74, 106,  
107) }
```

Background

The CSS property to change the background color of an element to XYZ 10.6319, 12.8255, 15.8251 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 106, 107) }
```

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

```
.background{ background-color: rgb(74, 106,  
107) }
```

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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