

Converting Colors

XYZ(10.3674, 12.6387, 15.7237)

Have a look what the booklet for
XYZ(10.3674, 12.6387, 15.7237)
contains.

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Color

**XYZ(10.4064, 12.7092,
15.8146)**

Conversions

Conversions Part 1

Format	Color
Hex	476A6B
RGB	71, 106, 107
RGB Percent	28%, 42%, 42%
CMY	0.7216, 0.5843, 0.5804
CMYK	0.34, 0.01, 0.00, 0.58
HSL	182°, 20%, 35%
HSV	182°, 34%, 42%
XYZ	10.4064, 12.7092, 15.8146
YIQ	95.6490, -21.1810, -7.1090

Conversions

Conversions Part 2

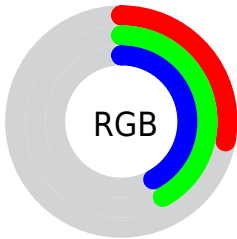
Format	Color
R_{YB}	71, 89, 107
Decimal	4680299
CIE _{Lab}	42.32, -12.19, -4.58
CIE _{LCh}	42, 13.020, 200.577
Yxy	12.7092, 0.2673, 0.3265
Android (android.graphics.Color)	4282870379 (0xFF476A6B)
YUV	95.6490, 5.5960, -21.6172
Hunter-Lab	35.6500, -10.2824, -1.3465

Details

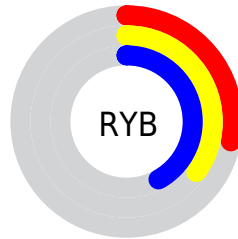
The XYZ color **10.4064, 12.7092, 15.8146** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **9.5183, 8.2155, 7.0456**, and the grayscale version is **11.0241, 11.5983, 12.6305**.

A 20% lighter version of the original color is **26.1137, 30.6475, 36.8870**, and **2.7563, 3.6484, 4.8339** is the 20% darker color. If you saturate the color by 10%, you get **9.6593, 12.2790, 15.7712**, and if you desaturate by 10%, it is **11.2926, 13.2118, 15.8651**.

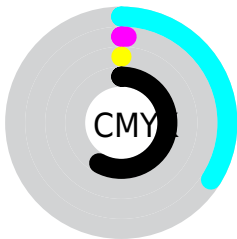
Distribution



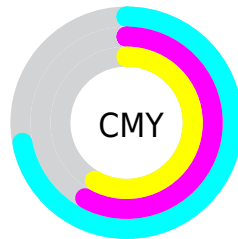
- Red (28%)
- Green (42%)
- Blue (42%)



- Red (28%)
- Yellow (35%)
- Blue (42%)



- Cyan (34%)
- Magenta (1%)
- Yellow (0%)
- Black (58%)



- Cyan (72%)
- Magenta (58%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.4064, 12.7092, 15.8146 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 10.4064, 12.7092, 15.8146 by changing the saturation by 10% instead.

■ 10.4064, 12.7092,
15.8146

■ 10.4064, 12.7092,
15.8146

187.5422,
209.0455, 240.0535

■ 5.7336, 7.2286,
9.2401

■ 26.1999, 30.7804,
37.0383

■ 2.7229, 3.6055,
4.7992

■ 38.0513, 44.1397,
52.5247

■ 1.0090, 1.4554,
2.0733

■ 53.0263, 60.8941,
71.8187

■ 0.0000, 0.2570,
0.5998

■ 71.4902, 81.4279,
95.3390

■ 0.0000, 0.0000,
0.0000

■ 93.8084, 106.1256,
123.5041

120.3462,

135.3715, 156.7325

151.4690,
169.5500, 195.4428

■ 10.4064, 12.7092,
15.8146

■ 10.4064, 12.7092,
15.8146

■ 9.6593, 12.2790,
15.7712

■ 11.2926, 13.2118,
15.8651

■ 9.0430, 11.9161,
15.7336

■ 12.3234, 13.7889,
15.9222

■ 8.5498, 11.6169,
15.7018

■ 13.5056, 14.4442,
15.9864

■ 8.1710, 11.3767,
15.6754

■ 14.8450, 15.1806,
16.0579

■ 7.8967, 11.1906,
15.6540

■ 16.3473, 16.0012,
16.1371

■ 7.7116, 11.0506,
15.6367

■ 18.0178, 16.9087,
16.2242

■ 7.6075, 10.9687,
15.6264

■ 19.8616, 17.9056,
16.3195

■ 21.8834, 18.9945,
16.4231

■ 24.0881, 20.1778,
16.5353

Harmonies

Analogous

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



10.3212, 12.7092, 12.9766



10.4064, 12.7092, 15.8146



10.9266, 12.7092, 18.4195

Triad

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



10.4064, 12.7092, 15.8146



13.5883, 12.7092, 17.5400



12.3896, 12.7092, 9.1840

Complementary

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



10.4064, 12.7092, 15.8146



9.5183, 8.2155, 7.0456

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.



13.3112, 12.7092, 10.0874



10.4064, 12.7092, 15.8146



14.0275, 12.7092, 14.7370

Square

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



10.4064, 12.7092, 15.8146



12.7514, 12.7092, 19.5051



13.9234, 12.7092, 12.0337



11.4320, 12.7092, 9.3912

Rectangle

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



10.4064, 12.7092, 15.8146



11.4663, 12.7092, 19.5517



13.9234, 12.7092, 12.0337



12.7147, 12.7092, 9.3627

Sweetspot

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



10.4068, 12.7097, 15.8149



22.7473, 25.0691, 28.5476



9.0132, 12.3179, 7.9655



5.4530, 6.0385, 6.9069



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.



10.4068, 12.7097, 15.8149



17.6100, 22.1692, 28.2586



8.7753, 9.4467, 15.2711



3.1750, 3.4782, 3.9389



9.2510, 13.3363, 19.0088



47.0278, 67.7342, 96.8216

Inverse Universe

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



10.9185, 8.6732, 14.7349



18.6772, 13.8163, 25.9913



10.8235, 10.8260, 7.4806



3.2141, 3.1625, 3.8578



10.4164, 5.0187, 16.3529



53.0203, 25.5501, 83.0324

Previews

White Background



This preview shows how the XYZ color 10.4064, 12.7092, 15.8146 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 10.4064, 12.7092, 15.8146 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

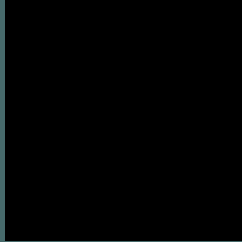
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 10.4064, 12.7092, 15.8146

Background



This preview shows how black text looks on a background with the XYZ color 10.4064, 12.7092, 15.8146.



This preview shows how white text looks on a background with the XYZ color 10.4064, 12.7092,

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

10.4064, 12.7092, 15.8146

Protanopia

12.1656, 12.6123, 14.6252

Deuteranopia

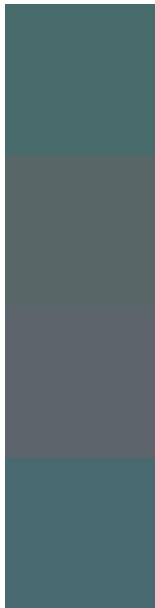
12.8607, 12.6568, 16.2332



Tritanopia

10.7799, 12.7119, 17.5083

Trichromacy



Original Color

10.4064, 12.7092, 15.8146

Protanomaly

11.3699, 12.6261, 14.9345

Deuteranomaly

11.7781, 12.5242, 15.9840

Tritanomaly

10.5933, 12.6286, 16.9182

Monochromacy



Original Color

10.4064, 12.7092, 15.8146

Achromatopsia

11.1181, 11.6971, 12.7381

Achromatomaly

10.7879, 12.0607, 13.8160

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.4064, 12.7092, 15.8146 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(71, 106, 107)` looks like.

```
.text, #text, p{  
    color:rgb(71, 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(71, 106, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 106, 107) }
```

Border

The CSS property to change the border of an element to XYZ 10.4064, 12.7092, 15.8146 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(71, 106, 107) }
```


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

```
.border{ border-color:rgb(71, 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(71, 106, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 106, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 106, 107);  
box-shadow:4px 4px 4px 4px rgb(71, 106,  
107) }
```

Background

The CSS property to change the background color of an element to XYZ 10.4064, 12.7092, 15.8146 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 106, 107) }
```

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

```
.background{ background-color: rgb(71, 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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