

Converting Colors

XYZ(10.4386, 12.1220, 15.9770)

Have a look what the booklet for
XYZ(10.4386, 12.1220, 15.9770)
contains.

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Color

**XYZ(10.4386, 12.1220,
15.9770)**

Conversions

Conversions Part 1

Format	Color
Hex	4C666C
RGB	76, 102, 108
RGB Percent	30%, 40%, 42%
CMY	0.7020, 0.6000, 0.5765
CMYK	0.30, 0.06, 0.00, 0.58
HSL	191°, 17%, 36%
HSV	191°, 30%, 42%
XYZ	10.4386, 12.1220, 15.9770
YIQ	94.9100, -17.4220, -3.6460

Conversions

Conversions Part 2

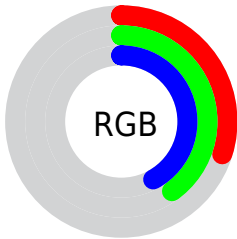
Format	Color
R_YB	76, 90, 108
Decimal	5006956
CIE _{Lab}	41.41, -8.01, -6.51
CIE _{LCh}	41, 10.320, 219.092
Yxy	12.1220, 0.2709, 0.3145
Android (android.graphics.Color)	4283197036 (0xFF4C666C)
YUV	94.9100, 6.4534, -16.5841
Hunter-Lab	34.8167, -7.4120, -2.8359

Details

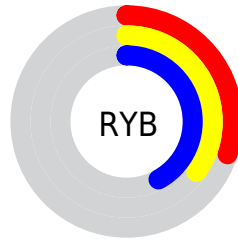
The XYZ color **10.4386, 12.1220, 15.9770** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **10.5062, 9.7444, 8.1647**, and the grayscale version is **10.8440, 11.4087, 12.4241**.

A 20% lighter version of the original color is **26.2534, 29.7213, 37.1540**, and **2.7439, 3.3453, 4.9160** is the 20% darker color. If you saturate the color by 10%, you get **9.4552, 11.3235, 15.8749**, and if you desaturate by 10%, it is **11.5717, 13.0054, 16.0880**.

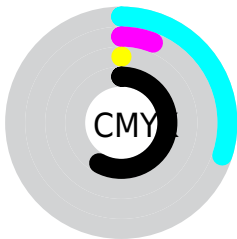
Distribution



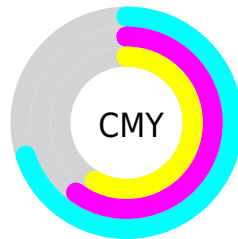
- Red (30%)
- Green (40%)
- Blue (42%)



- Red (30%)
- Yellow (35%)
- Blue (42%)



- Cyan (30%)
- Magenta (6%)
- Yellow (0%)
- Black (58%)



- Cyan (70%)
- Magenta (60%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.4386, 12.1220, 15.9770 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 10.4386, 12.1220, 15.9770 by changing the saturation by 10% instead.

■ 10.4386, 12.1220,
15.9770

■ 10.4386, 12.1220,
15.9770

187.7634,
205.2113, 241.0470

■ 5.7552, 6.8268,
9.3537

■ 26.2595, 29.7171,
37.3245

■ 2.7360, 3.3540,
4.8726

■ 38.1277, 42.7858,
52.8858

■ 1.0158, 1.3192,
2.1153

■ 53.1216, 59.2145,
72.2635

■ 0.0000, 0.1560,
0.6249

■ 71.6065, 79.3876,
95.8761

■ 0.0000, 0.0000,
0.0000

■ 93.9478, 103.6894,
124.1423

120.5108,

132.5043, 157.4804

151.6609,
166.2168, 196.3092

■ 10.4386, 12.1220,
15.9770

■ 10.4386, 12.1220,
15.9770

■ 9.4552, 11.3235,
15.8749

■ 11.5717, 13.0054,
16.0880

■ 8.6131, 10.6048,
15.7806

■ 12.8602, 13.9759,
16.2074

■ 7.9049, 9.9622,
15.6939

■ 14.3106, 15.0372,
16.3358

■ 7.3219, 9.3913,
15.6144

■ 15.9289, 16.1924,
16.4735

■ 6.8545, 8.8869,
15.5417

■ 17.7208, 17.4445,
16.6207

■ 6.4915, 8.4433,
15.4752

■ 19.6916, 18.7963,
16.7778

■ 6.1877, 8.0371,
15.4128

■ 21.8466, 20.2505,
16.9449

■ 6.1766, 8.0223,
15.4105

■ 24.1905, 21.8097,
17.1223

■ 26.7281, 23.4764,
17.3103

Harmonies

Analogous

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



10.1560, 12.1220, 13.8620



10.4386, 12.1220, 15.9770



11.0148, 12.1220, 17.4433

Triad

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



10.4386, 12.1220, 15.9770



12.9214, 12.1220, 14.7276



11.2953, 12.1220, 9.5275

Complementary

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



10.4386, 12.1220, 15.9770



10.5062, 9.7444, 8.1647

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.



12.0437, 12.1220, 9.7056



10.4386, 12.1220, 15.9770



13.0044, 12.1220, 12.5571

Square

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



10.4386, 12.1220, 15.9770



12.4547, 12.1220, 16.6693



12.6770, 12.1220, 10.7629



10.6363, 12.1220, 10.2469

Rectangle

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



10.4386, 12.1220, 15.9770



11.4988, 12.1220, 17.7720



12.6770, 12.1220, 10.7629



11.5444, 12.1220, 9.4862

Sweetspot

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



10.4390, 12.1225, 15.9773



22.6701, 24.6049, 28.4621



9.8611, 12.8690, 9.9204



5.4208, 5.9062, 6.8831



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.



10.4390, 12.1225, 15.9773



17.0328, 20.2376, 27.9162



9.0258, 9.2962, 15.5062



3.1360, 3.4003, 3.9259



7.3490, 9.5323, 18.3748



36.8545, 47.3875, 93.4305

Inverse Universe

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



11.1673, 9.3165, 13.7807



18.5756, 14.5020, 23.2169



11.8442, 12.4206, 8.6107



3.1944, 3.1547, 3.7542



9.4563, 4.6346, 11.2973



47.8852, 23.4960, 55.9917

Previews

White Background



This preview shows how the XYZ color 10.4386, 12.1220, 15.9770 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 10.4386, 12.1220, 15.9770 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

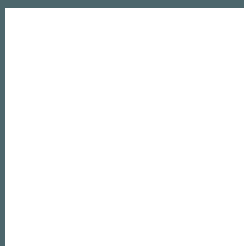
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 10.4386, 12.1220, 15.9770

Background



This preview shows how black text looks on a background with the XYZ color 10.4386, 12.1220, 15.9770.



This preview shows how white text looks on a background with the XYZ color 10.4386, 12.1220,

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

10.4386, 12.1220, 15.9770

Protanopia

11.7543, 12.1107, 15.0827

Deuteranopia

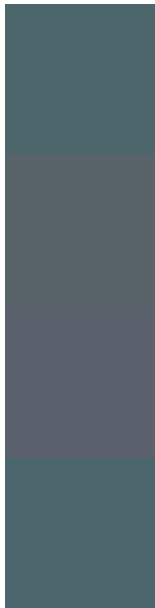
12.2194, 12.0552, 16.1509



Tritanopia

10.5463, 12.1650, 16.5441

Trichromacy



Original Color

10.4386, 12.1220, 15.9770

Protanomaly

11.1832, 12.0881, 15.3795

Deuteranomaly

11.5416, 12.1148, 16.1981

Tritanomaly

10.4922, 12.1434, 16.2589

Monochromacy



Original Color

10.4386, 12.1220, 15.9770

Achromatopsia

10.8771, 11.4435, 12.4620

Achromatomaly

10.6924, 11.7302, 13.7572

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.4386, 12.1220, 15.9770 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(76, 102, 108)` looks like.

```
.text, #text, p{  
    color:rgb(76, 102, 108)  
}
```

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(76, 102, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 102, 108) }
```

Border

The CSS property to change the border of an element to XYZ 10.4386, 12.1220, 15.9770 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(76, 102, 108) }
```


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

```
.border{ border-color:rgb(76, 102, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 102, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 102, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 102, 108);  
box-shadow:4px 4px 4px 4px rgb(76, 102,  
108) }
```

Background

The CSS property to change the background color of an element to XYZ 10.4386, 12.1220, 15.9770 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 102, 108) }
```

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

```
.background{ background-color: rgb(76, 102,  
108) }
```

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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