

Converting Colors

XYZ(10.2450, 11.3812, 12.8327)

Have a look what the booklet for
XYZ(10.2450, 11.3812, 12.8327)
contains.

XYZ(10.2238, 11.3724, 12.7226)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(10.2238, 11.3724,
12.7226)**

Conversions

Conversions Part 1

Format	Color
Hex	566160
RGB	86, 97, 96
RGB Percent	34%, 38%, 38%
CMY	0.6627, 0.6196, 0.6235
CMYK	0.11, 0.00, 0.01, 0.62
HSL	175°, 6%, 36%
HSV	175°, 11%, 38%
XYZ	10.2238, 11.3724, 12.7226
YIQ	93.5970, -6.2350, -2.6430

Conversions

Conversions Part 2

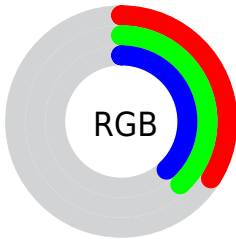
Format	Color
R_{YB}	86, 92, 97
Decimal	5661024
CIE Lab	40.20, -4.45, -0.88
CIE LCh	40, 4.540, 191.162
Yxy	11.3724, 0.2979, 0.3314
Android (android.graphics.Color)	4283851104 (0xFF566160)
YUV	93.5970, 1.1847, -6.6626
Hunter-Lab	33.7230, -4.8994, 1.2379

Details

The XYZ color **10.2238, 11.3724, 12.7226** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **9.9783, 9.8854, 10.3995**, and the grayscale version is **10.5430, 11.0920, 12.0792**.

A 20% lighter version of the original color is **25.9316, 28.4894, 31.3264**, and **2.6740, 3.0694, 3.4691** is the 20% darker color. If you saturate the color by 10%, you get **9.3503, 10.9271, 12.4709**, and if you desaturate by 10%, it is **11.2197, 11.8814, 12.9829**.

Distribution



Red (34%)

Green (38%)

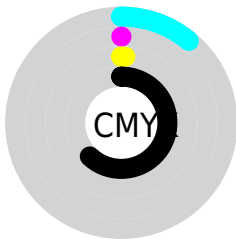
Blue (38%)



Red (34%)

Yellow (36%)

Blue (38%)

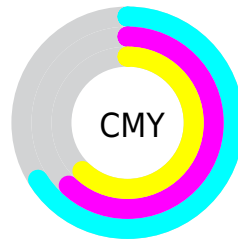


Cyan (11%)

Magenta (0%)

Yellow (1%)

Black (62%)



Cyan (66%)

Magenta (62%)

Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.2238, 11.3724, 12.7226 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 10.2238, 11.3724, 12.7226 by changing the saturation by 10% instead.

■ 10.2238, 11.3724,
12.7226

■ 10.2238, 11.3724,
12.7226

186.2824,
200.2049, 220.2771

■ 5.6110, 6.3179,
7.1093

■ 25.8615, 28.3468,
31.4884

■ 2.6484, 3.0393,
3.4511

■ 37.6171, 41.0354,
45.4779

■ 0.9707, 1.1523,
1.3293

■ 52.4843, 57.0376,
63.0967

■ 0.0000, 0.0222,
0.0856

■ 70.8285, 76.7377,
84.7632

■ 0.0000, 0.0000,
0.0000

■ 93.0151, 100.5201,
110.8959

119.4093,

128.7691, 141.9135

150.3767,
161.8693, 178.2344

■ 10.2238, 11.3724,
12.7226

■ 10.2238, 11.3724,
12.7226

■ 9.3503, 10.9271,
12.4709

■ 11.2197, 11.8814,
12.9829

■ 8.5933, 10.5414,
12.2267

■ 12.3415, 12.4549,
13.2513

■ 7.9480, 10.2133,
11.9902

■ 13.5940, 13.0958,
13.5282

■ 7.4088, 9.9399,
11.7609

■ 14.9812, 13.8060,
13.8138

■ 6.9696, 9.7179,
11.5387

■ 16.5072, 14.5877,
14.1083

■ 6.6238, 9.5441,
11.3233

■ 18.1756, 15.4429,
14.4119

■ 6.3640, 9.4145,
11.1142

■ 19.9902, 16.3733,
14.7248

■ 6.1805, 9.3242,
10.9110

■ 21.9545, 17.3808,
15.0471

■ 6.0435, 9.2573,
10.7379

■ 24.0718, 18.4672,
15.3791

Harmonies

Analogous

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



10.2441, 11.3724, 11.8291



10.2238, 11.3724, 12.7226



10.3580, 11.3724, 13.5638

Triad

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



10.2238, 11.3724, 12.7226



11.2141, 11.3724, 13.7397



11.0065, 11.3724, 10.8073

Complementary

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



10.2238, 11.3724, 12.7226



9.9783, 9.8854, 10.3995

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.



11.2731, 11.3724, 11.2720



10.2238, 11.3724, 12.7226



11.3946, 11.3724, 12.9531

Square

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



10.2238, 11.3724, 12.7226



10.9272, 11.3724, 14.1698



11.4164, 11.3724, 12.0487



10.6919, 11.3724, 10.7524

Rectangle

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



10.2238, 11.3724, 12.7226



10.5186, 11.3724, 13.9707



11.4164, 11.3724, 12.0487



11.1049, 11.3724, 10.9197

Sweetspot

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



10.2241, 11.3729, 12.7229



18.9174, 20.2048, 22.1741



9.8946, 11.2529, 10.4548



4.6679, 5.0018, 5.4983



49.6657, 52.2522, 56.9026



4.8358, 5.0876, 5.5404

Same Dimension

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



10.2241, 11.3729, 12.7229



17.0434, 19.2478, 21.6733



9.8751, 10.6006, 12.8355



2.6310, 2.8911, 3.2166



8.2138, 12.5915, 14.5638



43.7105, 67.1991, 76.9114

Inverse Universe

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



9.9783, 9.8854, 10.3995



16.5186, 16.0723, 16.7137



10.2999, 10.5937, 10.3062



2.5818, 2.5936, 2.7520



6.7635, 3.4803, 0.6086



35.9765, 18.5301, 2.4307

Previews

White Background



This preview shows how the XYZ color 10.2238, 11.3724, 12.7226 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 10.2238, 11.3724, 12.7226 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

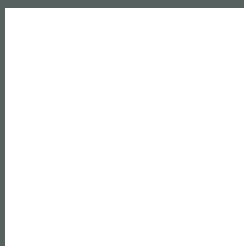
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 10.2238, 11.3724, 12.7226

Background



This preview shows how black text looks on a background with the XYZ color 10.2238, 11.3724, 12.7226.



This preview shows how white text looks on a background with the XYZ color 10.2238, 11.3724,

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

10.2238, 11.3724, 12.7226

Protanopia

10.8470, 11.3004, 12.1992

Deuteranopia

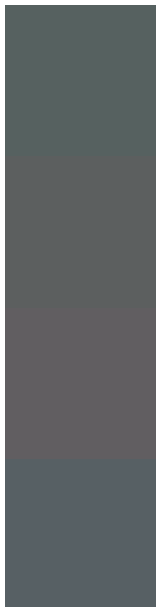
11.5783, 11.4009, 12.8996



Tritanopia

10.5615, 11.3713, 14.4702

Trichromacy



Original Color

10.2238, 11.3724, 12.7226

Protanomaly

10.5714, 11.2860, 12.4477

Deuteranomaly

11.0901, 11.4099, 12.9271

Tritanomaly

10.4136, 11.3121, 13.6912

Monochromacy



Original Color

10.2238, 11.3724, 12.7226

Achromatopsia

10.6392, 11.1932, 12.1894

Achromatomaly

10.4722, 11.2348, 12.4431

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.2238, 11.3724, 12.7226 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(86, 97, 96) looks like.

```
.text, #text, p{  
    color:rgb(86, 97, 96)  
}
```

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(86, 97, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 97, 96) }
```

Border

The CSS property to change the border of an element to XYZ 10.2238, 11.3724, 12.7226 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(86, 97, 96) }
```


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

```
.border{ border-color:rgb(86, 97, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 97, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 97, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 97, 96);  
box-shadow:4px 4px 4px 4px rgb(86, 97, 96)  
}
```

Background

The CSS property to change the background color of an element to XYZ 10.2238, 11.3724, 12.7226 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 97, 96) }
```

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

```
.background{ background-color: rgb(86, 97,  
96) }
```

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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