

Converting Colors

XYZ(10.8311, 12.0248, 15.1748)

Have a look what the booklet for
XYZ(10.8311, 12.0248, 15.1748)
contains.

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Color

**XYZ(10.8533, 12.0656,
15.1215)**

Conversions

Conversions Part 1

Format	Color
Hex	556469
RGB	85, 100, 105
RGB Percent	33%, 39%, 41%
CMY	0.6667, 0.6078, 0.5882
CMYK	0.19, 0.05, 0.00, 0.59
HSL	195°, 11%, 37%
HSV	195°, 19%, 41%
XYZ	10.8533, 12.0656, 15.1215
YIQ	96.0850, -10.5450, -1.6250

Conversions

Conversions Part 2

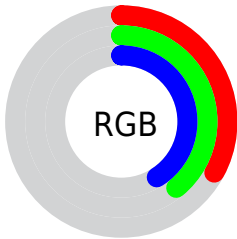
Format	Color
R_{YB}	85, 94, 105
Decimal	5596265
CIE _{Lab}	41.32, -4.50, -4.74
CIE _{LCh}	41, 6.536, 226.539
Yxy	12.0656, 0.2853, 0.3172
Android (android.graphics.Color)	4283786345 (0xFF556469)
YUV	96.0850, 4.3951, -9.7215
Hunter-Lab	34.7356, -5.0141, -1.4959

Details

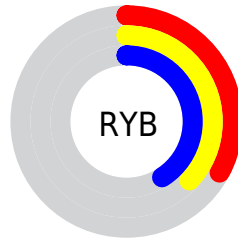
The XYZ color **10.8533, 12.0656, 15.1215** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **11.1216, 10.9714, 10.1261**, and the grayscale version is **11.1306, 11.7103, 12.7525**.

A 20% lighter version of the original color is **27.0590, 29.6844, 35.7560**, and **2.8735, 3.2830, 4.4852** is the 20% darker color. If you saturate the color by 10%, you get **9.7223, 11.1152, 14.9979**, and if you desaturate by 10%, it is **12.1346, 13.1061, 15.2550**.

Distribution



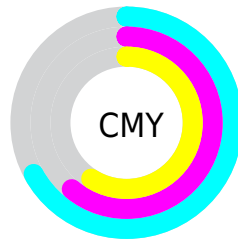
- Red (33%)
- Green (39%)
- Blue (41%)



- Red (33%)
- Yellow (37%)
- Blue (41%)



- Cyan (19%)
- Magenta (5%)
- Yellow (0%)
- Black (59%)



- Cyan (67%)
- Magenta (61%)
- Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.8533, 12.0656, 15.1215 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 10.8533, 12.0656, 15.1215 by changing the saturation by 10% instead.

■ 10.8533, 12.0656,
15.1215

■ 10.8533, 12.0656,
15.1215

190.5875,
204.8391, 235.7665

■ 6.0348, 6.7884,
8.7571

■ 27.0239, 29.6145,
35.8115

■ 2.9071, 3.3301,
4.4885

■ 39.1068, 42.6550,
50.9742

■ 1.1048, 1.3064,
1.8970

■ 54.3419, 59.0520,
69.9068

■ 0.0292, 0.1462,
0.4908

■ 73.0945, 79.1900,
93.0278

■ 0.0000, 0.0000,
0.0000

■ 95.7300, 103.4533,
120.7557

122.6138,

132.2263, 153.5091

154.1111,
165.8934, 191.7065

■ 10.8533, 12.0656,
15.1215

■ 10.8533, 12.0656,
15.1215

■ 9.7223, 11.1152,
14.9979

■ 12.1346, 13.1061,
15.2550

■ 8.7343, 10.2501,
14.8830

■ 13.5710, 14.2385,
15.3979

■ 7.8829, 9.4673,
14.7767

■ 15.1685, 15.4662,
15.5506

■ 7.1607, 8.7628,
14.6788

■ 16.9324, 16.7920,
15.7136

■ 6.5598, 8.1323,
14.5888

■ 18.8677, 18.2186,
15.8869

■ 6.0711, 7.5712,
14.5062

■ 20.9792, 19.7486,
16.0710

■ 5.6843, 7.0740,
14.4306

■ 23.2716, 21.3846,
16.2659

■ 5.3590, 6.6197,
14.3601

■ 25.7493, 23.1289,
16.4720

■ 5.3285, 6.5772,
14.3535

■ 28.4166, 24.9838,
16.6895

Harmonies

Analogous

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



10.6175, 12.0656, 13.8934



10.8533, 12.0656, 15.1215



11.2574, 12.0656, 15.8387

Triad

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



10.8533, 12.0656, 15.1215



12.3760, 12.0656, 13.7535



11.2109, 12.0656, 10.7939

Complementary

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



10.8533, 12.0656, 15.1215



11.1216, 10.9714, 10.1261

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.



11.6812, 12.0656, 10.7621



10.8533, 12.0656, 15.1215



12.3627, 12.0656, 12.4093

Square

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



10.8533, 12.0656, 15.1215



12.1413, 12.0656, 15.0130



12.1055, 12.0656, 11.3349



10.8200, 12.0656, 11.4249

Rectangle

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



10.8533, 12.0656, 15.1215



11.5719, 12.0656, 15.9007



12.1055, 12.0656, 11.3349



11.3647, 12.0656, 10.7143

Sweetspot

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



10.8537, 12.0661, 15.1218



22.4386, 24.0335, 27.3873



10.6294, 12.7672, 11.5029



5.2316, 5.6103, 6.4130



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.



10.8537, 12.0661, 15.1218



18.4671, 20.8003, 26.9726



9.9807, 10.3201, 14.8308



3.1209, 3.3702, 3.9209



6.7170, 8.2683, 18.1642



33.5125, 40.7035, 92.3165

Inverse Universe

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



11.3747, 10.4206, 13.4691



19.6035, 17.2977, 23.3490



11.9909, 12.7099, 10.4158



3.1868, 3.1516, 3.7142



9.1373, 4.5070, 9.6175



46.1983, 22.8213, 47.1086

Previews

White Background



This preview shows how the XYZ color 10.8533, 12.0656, 15.1215 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 10.8533, 12.0656, 15.1215 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

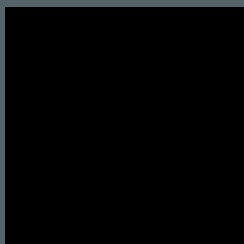
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

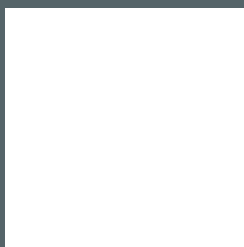
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 10.8533, 12.0656, 15.1215

Background



This preview shows how black text looks on a background with the XYZ color 10.8533, 12.0656, 15.1215.



This preview shows how white text looks on a background with the XYZ color 10.8533, 12.0656,

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

10.8533, 12.0656, 15.1215

Protanopia

11.6526, 12.0700, 14.5476

Deuteranopia

12.2872, 12.1086, 15.3253



Tritanopia

11.0103, 12.1283, 15.9481

Trichromacy



Original Color

10.8533, 12.0656, 15.1215

Protanomaly

11.3806, 12.0620, 14.8251

Deuteranomaly

11.7001, 12.0768, 15.3501

Tritanomaly

10.9573, 12.1072, 15.6693

Monochromacy



Original Color

10.8533, 12.0656, 15.1215

Achromatopsia

11.1181, 11.6971, 12.7381

Achromatomaly

10.9405, 11.7256, 13.4910

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.8533, 12.0656, 15.1215 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(85, 100, 105) looks like.

```
.text, #text, p{  
    color:rgb(85, 100, 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(85, 100, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 100, 105) }
```

Border

The CSS property to change the border of an element to XYZ 10.8533, 12.0656, 15.1215 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(85, 100, 105) }
```


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

```
.border{ border-color:rgb(85, 100, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 100, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 100, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 100, 105);  
box-shadow:4px 4px 4px 4px rgb(85, 100,  
105) }
```

Background

The CSS property to change the background color of an element to XYZ 10.8533, 12.0656, 15.1215 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 100, 105) }
```

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

```
.background{ background-color: rgb(85, 100,  
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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