

Converting Colors

XYZ(11.8164, 15.3056, 12.6860)

Have a look what the booklet for
XYZ(11.8164, 15.3056, 12.6860)
contains.

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Color

**XYZ(11.8167, 15.3067,
12.6876)**

Conversions

Conversions Part 1

Format	Color
Hex	52755D
RGB	82, 117, 93
RGB Percent	32%, 46%, 36%
CMY	0.6784, 0.5412, 0.6353
CMYK	0.30, 0.00, 0.21, 0.54
HSL	139°, 18%, 39%
HSV	139°, 30%, 46%
XYZ	11.8167, 15.3067, 12.6876
YIQ	103.7990, -13.1560, -14.8840

Conversions

Conversions Part 2

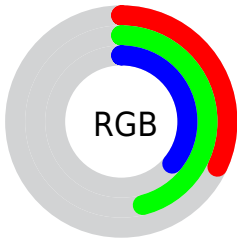
Format	Color
R_{YB}	82, 109, 117
Decimal	5403997
CIE Lab	46.05, -17.91, 9.30
CIE LCh	46, 20.183, 152.568
Yxy	15.3067, 0.2968, 0.3845
Android (android.graphics.Color)	4283594077 (0xFF52755D)
YUV	103.7990, -5.3239, -19.1177
Hunter-Lab	39.1238, -14.5536, 8.1593

Details

The XYZ color **11.8167, 15.3067, 12.6876** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **12.9554, 10.8574, 15.0490**, and the grayscale version is **13.1209, 13.8043, 15.0328**.

A 20% lighter version of the original color is **28.6616, 35.2646, 31.2827**, and **3.3343, 4.8188, 3.4437** is the 20% darker color. If you saturate the color by 10%, you get **10.5479, 14.6920, 10.8696**, and if you desaturate by 10%, it is **13.2972, 16.0271, 14.7108**.

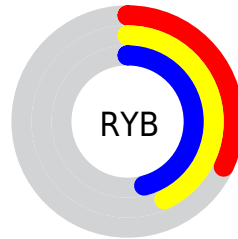
Distribution



Red (32%)

Green (46%)

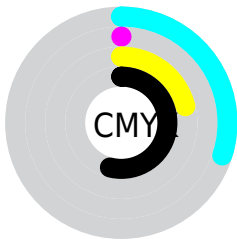
Blue (36%)



Red (32%)

Yellow (43%)

Blue (46%)

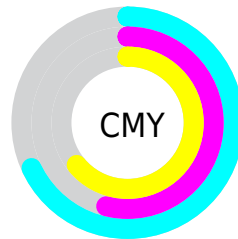


Cyan (30%)

Magenta (0%)

Yellow (21%)

Black (54%)



Cyan (68%)

Magenta (54%)

Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.8167, 15.3067, 12.6876 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 11.8167, 15.3067, 12.6876 by changing the saturation by 10% instead.

■ 11.8167, 15.3067,
12.6876

■ 11.8167, 15.3067,
12.6876

196.9828,
225.2152, 220.0428

■ 6.6903, 9.0349,
7.0856

■ 28.7806, 35.3903,
31.4243

■ 3.3138, 4.7640,
3.4364

■ 41.3488, 49.9710,
45.3961

■ 1.3218, 2.1094,
1.3216

■ 57.1283, 68.0900,
62.9949

■ 0.1994, 0.6699,
0.0794

■ 76.4844, 90.1319,
84.6392

■ 0.0000, 0.0000,
0.0000

■ 99.7826, 116.4809,
110.7476

127.3882,

147.5215, 141.7387

159.6664,
183.6382, 178.0309

■ 11.8167, 15.3067,
12.6876

■ 11.8167, 15.3067,
12.6876

■ 10.5479, 14.6920,
10.8696

■ 13.2972, 16.0271,
14.7108

■ 9.4795, 14.1760,
9.2494

■ 14.9973, 16.8559,
16.9444

■ 8.6013, 13.7539,
7.8206

■ 16.9263, 17.7981,
19.3945

■ 7.9013, 13.4199,
6.5759

■ 19.0923, 18.8578,
22.0669

■ 7.3664, 13.1673,
5.5077

■ 21.5032, 20.0389,
24.9670

■ 6.9814, 12.9883,
4.6078

■ 24.1664, 21.3453,
28.1000

■ 6.6942, 12.8564,
3.8658

■ 27.0890, 22.7804,
31.4710

■ 6.6919, 12.8553,
3.8602

■ 30.2779, 24.3476,
35.0850

■ 33.7397, 26.0504,
38.9468

Harmonies

Analogous

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



12.8466, 15.3067, 9.9139



11.8167, 15.3067, 12.6876



11.5001, 15.3067, 17.0927

Triad

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



11.8167, 15.3067, 12.6876



14.6966, 15.3067, 27.9771



17.5045, 15.3067, 12.0869

Complementary

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



11.8167, 15.3067, 12.6876



12.9554, 10.8574, 15.0490

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.



18.0931, 15.3067, 16.2473



11.8167, 15.3067, 12.6876



16.3945, 15.3067, 25.9466

Square

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



11.8167, 15.3067, 12.6876



13.0834, 15.3067, 26.5186



17.6720, 15.3067, 21.4005



16.1193, 15.3067, 9.6179

Rectangle

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



11.8167, 15.3067, 12.6876



11.7142, 15.3067, 20.5549



17.6720, 15.3067, 21.4005



17.8068, 15.3067, 13.3021

Sweetspot

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



11.8171, 15.3073, 12.6879



27.0774, 30.2914, 30.6283



13.8883, 16.4274, 10.4215



6.1375, 6.9215, 6.9284



57.3938, 60.3827, 65.7568



6.9614, 7.3239, 7.9757

Same Dimension

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



11.8171, 15.3073, 12.6879



19.5274, 26.6178, 20.3979



12.6559, 15.6428, 17.1048



3.6837, 4.1154, 4.1681



7.3662, 14.1605, 4.2186



35.5491, 68.8669, 18.7286

Inverse Universe

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



12.9554, 10.8574, 15.0490



21.9189, 17.2615, 25.3534



12.1570, 10.5380, 10.8447



3.7800, 3.7393, 4.3682



9.6804, 4.8059, 8.7909



46.7736, 23.2596, 40.7327

Previews

White Background



This preview shows how the XYZ color 11.8167, 15.3067, 12.6876 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 11.8167, 15.3067, 12.6876 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 11.8167, 15.3067, 12.6876

Background



This preview shows how black text looks on a background with the XYZ color 11.8167, 15.3067, 12.6876.



This preview shows how white text looks on a background with the XYZ color 11.8167, 15.3067,

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

11.8167, 15.3067, 12.6876

Protanopia

14.2360, 15.0912, 11.6138

Deuteranopia

15.4751, 15.2328, 13.1909



Tritanopia

13.4425, 15.2901, 20.6551

Trichromacy



Original Color

11.8167, 15.3067, 12.6876

Protanomaly

13.1234, 14.9906, 11.8747

Deuteranomaly

13.8409, 15.0147, 12.9951

Tritanomaly

12.7243, 15.1608, 17.2946

Monochromacy



Original Color

11.8167, 15.3067, 12.6876

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

12.5928, 14.3442, 14.1616

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.8167, 15.3067, 12.6876 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(82, 117, 93) looks like.

```
.text, #text, p{  
    color:rgb(82, 117, 93)  
}
```

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(82, 117, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 117, 93) }
```

Border

The CSS property to change the border of an element to XYZ 11.8167, 15.3067, 12.6876 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(82, 117, 93) }
```


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

```
.border{ border-color:rgb(82, 117, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 117, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 117, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 117, 93);  
box-shadow:4px 4px 4px 4px rgb(82, 117,  
93) }
```

Background

The CSS property to change the background color of an element to XYZ 11.8167, 15.3067, 12.6876 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 117, 93) }
```

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

```
.background{ background-color: rgb(82, 117,  
93) }
```

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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