

Converting Colors

XYZ(11.7874, 15.3078, 25.3053)

Have a look what the booklet for
XYZ(11.7874, 15.3078, 25.3053)
contains.

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Color

**XYZ(11.8067, 15.3743,
25.2669)**

Conversions

Conversions Part 1

Format	Color
Hex	277787
RGB	39, 119, 135
RGB Percent	15%, 47%, 53%
CMY	0.8470, 0.5333, 0.4706
CMYK	0.71, 0.12, 0.00, 0.47
HSL	190°, 55%, 34%
HSV	190°, 71%, 53%
XYZ	11.8067, 15.3743, 25.2669
YIQ	96.9040, -52.8160, -11.9840

Conversions

Conversions Part 2

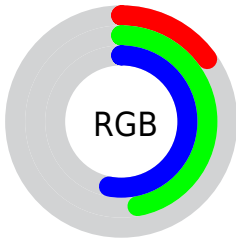
Format	Color
R_YB	39, 83, 135
Decimal	2586503
CIE _{Lab}	46.14, -18.38, -15.76
CIE _{LCh}	46, 24.210, 220.615
Yxy	15.3743, 0.2251, 0.2931
Android (android.graphics.Color)	4280776583 (0xFF277787)
YUV	96.9040, 18.7813, -50.7818
Hunter-Lab	39.2101, -14.8688, -10.7593

Details

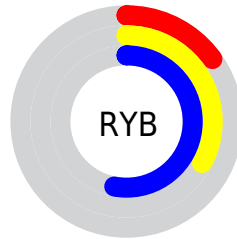
The XYZ color **11.8067, 15.3743, 25.2669** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **11.7245, 8.0302, 2.8520**, and the grayscale version is **11.3040, 11.8927, 12.9511**.

A 20% lighter version of the original color is **28.6770, 35.3533, 52.8894**, and **3.8299, 5.0362, 9.3646** is the 20% darker color. If you saturate the color by 10%, you get **11.1191, 14.6273, 25.1592**, and if you desaturate by 10%, it is **12.6836, 16.2289, 25.3859**.

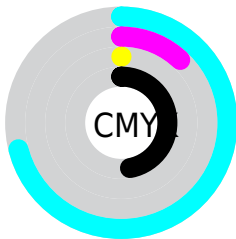
Distribution



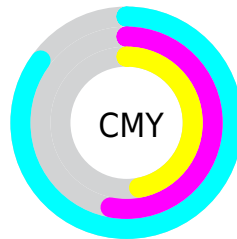
- Red (15%)
- Green (47%)
- Blue (53%)



- Red (15%)
- Yellow (33%)
- Blue (53%)



- Cyan (71%)
- Magenta (12%)
- Yellow (0%)
- Black (47%)



- Cyan (85%)
- Magenta (53%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.8067, 15.3743, 25.2669 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 11.8067, 15.3743, 25.2669 by changing the saturation by 10% instead.

■ 11.8067, 15.3743,
25.2669

■ 11.8067, 15.3743,
25.2669

■ 196.9175,
225.6207, 292.6546

■ 6.6835, 9.0825,
16.0552

■ 28.7625, 35.5085,
53.0594

■ 3.3095, 4.7950,
9.4084

■ 41.3257, 50.1197,
72.4772

■ 1.3195, 2.1275,
4.9081

■ 57.0997, 68.2728,
96.1341

■ 0.1977, 0.6800,
2.1356

■ 76.4497, 90.3521,
124.4488

■ 0.0000, 0.0000,
0.6369

■ 99.7411, 116.7422,
157.8396

■ 0.0000, 0.0000,
0.0000

■ 127.3393,

147.8274, 196.7251

159.6097,
183.9921, 241.5240

■ 11.8067, 15.3743,
25.2669

■ 11.8067, 15.3743,
25.2669

■ 11.1191, 14.6273,
25.1592

■ 12.6836, 16.2289,
25.3859

■ 10.5990, 13.9757,
25.0609

■ 13.7657, 17.1985,
25.5160

■ 10.2229, 13.4486,
24.9790

■ 15.0690, 18.2916,
25.6583

■ 16.6074, 19.5155,
25.8135

■ 18.3935, 20.8768,
25.9821

■ 20.4392, 22.3817,
26.1648

■ 22.7555, 24.0358,
26.3620

■ 25.3528, 25.8446,
26.5742

■ 28.2409, 27.8133,
26.8020

Harmonies

Analogous

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



11.0541, 15.3743, 18.9186



11.8067, 15.3743, 25.2669



13.3367, 15.3743, 29.8881

Triad

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



11.8067, 15.3743, 25.2669



18.6782, 15.3743, 20.7959



13.8950, 15.3743, 7.8803

Complementary

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



11.8067, 15.3743, 25.2669



11.7245, 8.0302, 2.8520

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.



15.9678, 15.3743, 8.1552



11.8067, 15.3743, 25.2669



18.8635, 15.3743, 14.7354

Square

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



11.8067, 15.3743, 25.2669



17.3469, 15.3743, 26.9160



17.8316, 15.3743, 10.3863



12.1823, 15.3743, 9.5191

Rectangle

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



11.8067, 15.3743, 25.2669



14.6554, 15.3743, 30.8439



17.8316, 15.3743, 10.3863



14.5703, 15.3743, 7.7637

Sweetspot

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



11.8072, 15.3749, 25.2673



32.8148, 37.2931, 46.5171



10.1529, 18.0204, 6.3603



7.4146, 8.4975, 10.7557



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



11.8072, 15.3749, 25.2673



19.3382, 25.4986, 44.9508



7.5667, 6.8939, 23.8538



4.7374, 5.1503, 5.9452



9.4349, 12.4176, 23.0363



0.0370, 0.0517, 0.0813

Inverse Universe

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



14.0474, 7.9343, 18.2445



23.8593, 12.2157, 30.3890



15.0509, 14.6832, 3.9608



4.8255, 4.7499, 5.6932



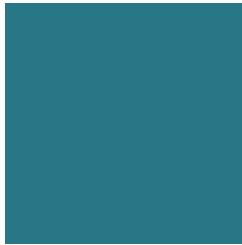
11.9404, 5.8405, 14.7904



0.0436, 0.0211, 0.0628

Previews

White Background



This preview shows how the XYZ color 11.8067, 15.3743, 25.2669 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 11.8067, 15.3743, 25.2669 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 11.8067, 15.3743, 25.2669

Background



This preview shows how black text looks on a background with the XYZ color 11.8067, 15.3743, 25.2669.

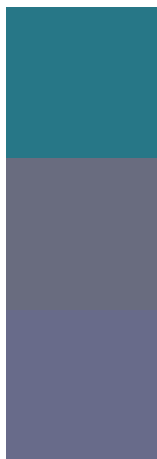


This preview shows how white text looks on a background with the XYZ color 11.8067, 15.3743,

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

11.8067, 15.3743, 25.2669

Protanopia

15.0190, 15.2607, 22.2327

Deuteranopia

15.5541, 15.2934, 26.1769



Tritanopia

11.4389, 15.4020, 23.4891

Trichromacy



Original Color

11.8067, 15.3743, 25.2669

Protanomaly

13.2168, 14.9494, 23.3080

Deuteranomaly

13.5081, 14.8805, 25.8272

Tritanomaly

11.6089, 15.4740, 24.2047

Monochromacy



Original Color

11.8067, 15.3743, 25.2669

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

10.9013, 12.7873, 16.9326

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.8067, 15.3743, 25.2669 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(39, 119, 135)` looks like.

```
.text, #text, p{  
    color:rgb(39, 119, 135)  
}
```

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(39, 119, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(39, 119, 135) }
```

Border

The CSS property to change the border of an element to XYZ 11.8067, 15.3743, 25.2669 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(39, 119, 135) }
```


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

```
.border{ border-color:rgb(39, 119, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(39, 119, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(39, 119, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(39, 119, 135);  
box-shadow:4px 4px 4px 4px rgb(39, 119,  
135) }
```

Background

The CSS property to change the background color of an element to XYZ 11.8067, 15.3743, 25.2669 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(39, 119, 135) }
```

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

```
.background{ background-color: rgb(39, 119,  
135) }
```

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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