

Converting Colors

XYZ(11.8082, 13.7268, 18.9980)

Have a look what the booklet for
XYZ(11.8082, 13.7268, 18.9980)
contains.

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Color

**XYZ(11.7153, 13.6292,
18.8429)**

Conversions

Conversions Part 1

Format	Color
Hex	4E6C75
RGB	78, 108, 117
RGB Percent	31%, 42%, 46%
CMY	0.6941, 0.5765, 0.5412
CMYK	0.33, 0.08, 0.00, 0.54
HSL	194°, 20%, 38%
HSV	194°, 33%, 46%
XYZ	11.7153, 13.6292, 18.8429
YIQ	100.0560, -20.7690, -3.5610

Conversions

Conversions Part 2

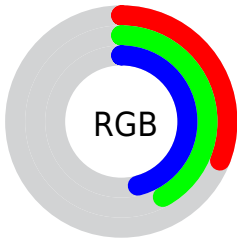
Format	Color
RYB	78, 95, 117
Decimal	5139573
CIELab	43.70, -8.48, -8.53
CIElCh	44, 12.026, 225.167
Yxy	13.6292, 0.2651, 0.3084
Android (android.graphics.Color)	4283329653 (0xFF4E6C75)
YUV	100.0560, 8.3534, -19.3431
Hunter-Lab	36.9177, -7.9617, -4.4193

Details

The XYZ color **11.7153, 13.6292, 18.8429** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **12.1196, 11.1483, 8.7210**, and the grayscale version is **12.1109, 12.7416, 13.8756**.

A 20% lighter version of the original color is **28.4617, 32.2500, 42.2609**, and **3.3080, 4.0585, 6.2392** is the 20% darker color. If you saturate the color by 10%, you get **10.5605, 12.6180, 18.7088**, and if you desaturate by 10%, it is **13.0503, 14.7470, 18.9885**.

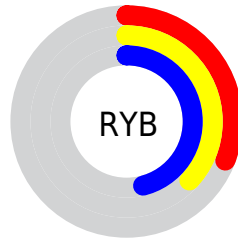
Distribution



Red (31%)

Green (42%)

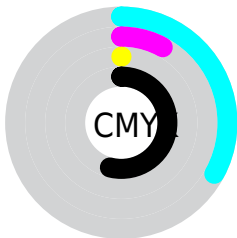
Blue (46%)



Red (31%)

Yellow (37%)

Blue (46%)

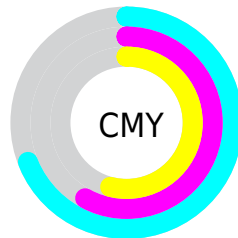


Cyan (33%)

Magenta (8%)

Yellow (0%)

Black (54%)



Cyan (69%)

Magenta (58%)

Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.7153, 13.6292, 18.8429 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 11.7153, 13.6292, 18.8429 by changing the saturation by 10% instead.

■ 11.7153, 13.6292,
18.8429

■ 11.7153, 13.6292,
18.8429

196.3199,
214.9117, 257.9739

■ 6.6209, 7.8632,
11.3812

■ 28.5969, 32.4296,
42.3016

■ 3.2704, 4.0076,
6.2064

■ 41.1148, 46.2329,
59.1357

■ 1.2983, 1.6778,
2.9002

■ 56.8380, 63.4840,
79.9309

■ 0.1820, 0.4092,
1.0439

■ 76.1318, 84.5674,
105.1059

■ 0.0000, 0.0000,
0.0000

■ 99.3615, 109.8675,
135.0791

126.8925,

139.7686, 170.2692

159.0902,
174.6552, 211.0946

■ 11.7153, 13.6292,
18.8429

■ 11.7153, 13.6292,
18.8429

■ 10.5605, 12.6180,
18.7088

■ 13.0503, 14.7470,
18.9885

■ 9.5756, 11.7071,
18.5849

■ 14.5728, 15.9743,
19.1452

■ 8.7510, 10.8917,
18.4710

■ 16.2911, 17.3159,
19.3136

■ 8.0756, 10.1660,
18.3665

■ 18.2125, 18.7757,
19.4941

■ 7.5371, 9.5233,
18.2708

■ 20.3442, 20.3574,
19.6870

7.1188, 8.9552,
18.1832

22.6929, 22.0645,
19.8927

6.8675, 8.5976,
18.1274

25.2649, 23.9006,
20.1116

28.0663, 25.8688,
20.3438

31.1030, 27.9723,
20.5898

Harmonies

Analogous

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



11.2790, 13.6292, 16.2429



11.7153, 13.6292, 18.8429



12.4947, 13.6292, 20.4577

Triad

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



11.7153, 13.6292, 18.8429



14.7904, 13.6292, 16.2118



12.4847, 13.6292, 10.3642

Complementary

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



11.7153, 13.6292, 18.8429



12.1196, 11.1483, 8.7210

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.



13.4247, 13.6292, 10.3580



11.7153, 13.6292, 18.8429



14.7875, 13.6292, 13.5201

Square

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



11.7153, 13.6292, 18.8429



14.2854, 13.6292, 18.8178



14.2774, 13.6292, 11.4482



11.7083, 13.6292, 11.4662

Rectangle

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



11.7153, 13.6292, 18.8429



13.1184, 13.6292, 20.6468



14.2774, 13.6292, 11.4482



12.7913, 13.6292, 10.2387

Sweetspot

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



11.7157, 13.6297, 18.8432



27.0034, 29.3215, 34.3734



11.2013, 15.0217, 11.2088



6.1331, 6.6821, 7.8955



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.



11.7157, 13.6297, 18.8432



19.3586, 22.9952, 33.5552



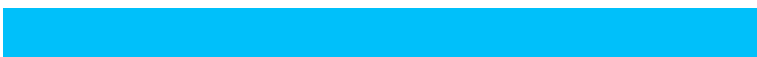
9.9295, 10.0574, 18.2478



3.7151, 4.0189, 4.6702



7.5545, 9.4487, 19.9682



36.1421, 44.7007, 97.0835

Inverse Universe

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



12.7676, 10.3136, 15.5058



21.5981, 16.2525, 26.3786



13.8604, 14.6300, 9.3013



3.7922, 3.7442, 4.4327



10.1103, 4.9778, 11.0549



48.9296, 24.1220, 52.0860

Previews

White Background



This preview shows how the XYZ color 11.7153, 13.6292, 18.8429 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 11.7153, 13.6292, 18.8429 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

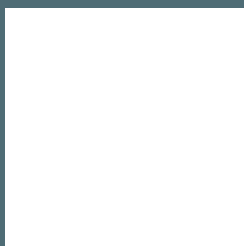
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 11.7153, 13.6292, 18.8429

Background



This preview shows how black text looks on a background with the XYZ color 11.7153, 13.6292, 18.8429.



This preview shows how white text looks on a background with the XYZ color 11.7153, 13.6292,

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

11.7153, 13.6292, 18.8429

Protanopia

13.2115, 13.5198, 17.5360

Deuteranopia

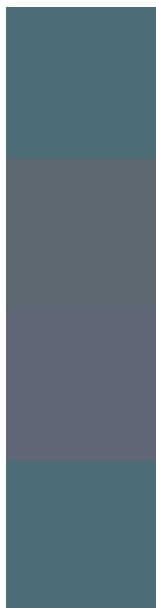
13.8308, 13.5104, 19.3316



Tritanopia

11.7153, 13.6292, 18.8429

Trichromacy



Original Color

11.7153, 13.6292, 18.8429

Protanomaly

12.5018, 13.4427, 17.8554

Deuteranomaly

12.9441, 13.4953, 19.0622

Tritanomaly

11.7153, 13.6292, 18.8429

Monochromacy



Original Color

11.7153, 13.6292, 18.8429

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

11.8654, 13.0164, 15.5227

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.7153, 13.6292, 18.8429 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(78, 108, 117)` looks like.

```
.text, #text, p{  
    color:rgb(78, 108, 117)  
}
```

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(78, 108, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 108, 117) }
```

Border

The CSS property to change the border of an element to XYZ 11.7153, 13.6292, 18.8429 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(78, 108, 117) }
```


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

```
.border{ border-color:rgb(78, 108, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 108, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 108, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 108, 117);  
box-shadow:4px 4px 4px 4px rgb(78, 108,  
117) }
```

Background

The CSS property to change the background color of an element to XYZ 11.7153, 13.6292, 18.8429 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 108, 117) }
```

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

```
.background{ background-color: rgb(78, 108,  
117) }
```

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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