

Converting Colors

XYZ(11.7205, 14.8567, 11.8954)

Have a look what the booklet for
XYZ(11.7205, 14.8567, 11.8954)
contains.

XYZ(11.8139, 14.9781, 11.9413)	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(11.8139, 14.9781,
11.9413)**

Conversions

Conversions Part 1

Format	Color
Hex	56735A
RGB	86, 115, 90
RGB Percent	34%, 45%, 35%
CMY	0.6627, 0.5490, 0.6471
CMYK	0.25, 0.00, 0.22, 0.55
HSL	128°, 14%, 39%
HSV	128°, 25%, 45%
XYZ	11.8139, 14.9781, 11.9413
YIQ	103.4790, -9.2590, -13.9230

Conversions

Conversions Part 2

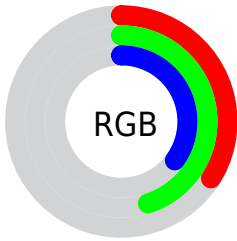
Format	Color
R_{YB}	86, 111, 115
Decimal	5665626
CIE _{Lab}	45.60, -16.01, 10.48
CIE _{LCh}	46, 19.132, 146.782
Yxy	14.9781, 0.3050, 0.3867
Android (android.graphics.Color)	4283855706 (0xFF56735A)
YUV	103.4790, -6.6451, -15.3291
Hunter-Lab	38.7016, -13.2394, 8.7973

Details

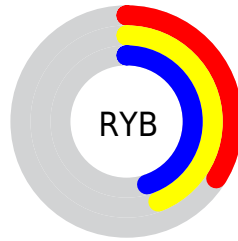
The XYZ color **11.8139, 14.9781, 11.9413** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **13.2677, 11.4483, 16.5498**, and the grayscale version is **13.0383, 13.7173, 14.9381**.

A 20% lighter version of the original color is **28.7057, 34.7651, 30.0083**, and **3.3368, 4.6473, 3.1040** is the 20% darker color. If you saturate the color by 10%, you get **10.4449, 14.3183, 9.8196**, and if you desaturate by 10%, it is **13.4104, 15.7495, 14.3681**.

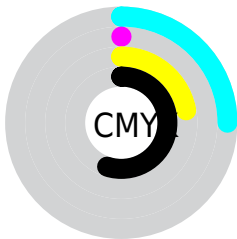
Distribution



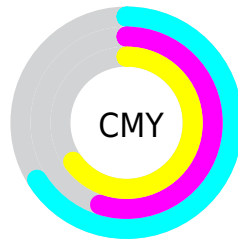
- Red (34%)
- Green (45%)
- Blue (35%)



- Red (34%)
- Yellow (44%)
- Blue (45%)



- Cyan (25%)
- Magenta (0%)
- Yellow (22%)
- Black (55%)



- Cyan (66%)
- Magenta (55%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.8139, 14.9781, 11.9413 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 11.8139, 14.9781, 11.9413 by changing the saturation by 10% instead.

■ 11.8139, 14.9781,
11.9413

■ 11.8139, 14.9781,
11.9413

196.9645,
223.2336, 214.9804

■ 6.6884, 8.8040,
6.5817

■ 28.7755, 34.8148,
30.0509

■ 3.3126, 4.6136,
3.1274

■ 41.3423, 49.2461,
43.6380

■ 1.3211, 2.0224,
1.1601

■ 57.1203, 67.1987,
60.8047

■ 0.1990, 0.6204,
0.0000

■ 76.4747, 89.0569,
81.9695

■ 0.0000, 0.0000,
0.0000

■ 99.7710, 115.2051,
107.5509

127.3745,

146.0277, 137.9675

159.6505,
181.9091, 173.6378

■ 11.8139, 14.9781,
11.9413

■ 11.8139, 14.9781,
11.9413

■ 10.4449, 14.3183,
9.8196

■ 13.4104, 15.7495,
14.3681

■ 9.2919, 13.7632,
7.9900

■ 15.2429, 16.6354,
17.1105

■ 8.3441, 13.3079,
6.4400

■ 17.3209, 17.6409,
20.1795

■ 7.5893, 12.9465,
5.1559

■ 19.6531, 18.7702,
23.5853

■ 7.0141, 12.6722,
4.1226

■ 22.2476, 20.0273,
27.3379

■ 6.6032, 12.4777,
3.3238

■ 25.1124, 21.4162,
31.4466

■ 6.3316, 12.3503,
2.7406

■ 28.2548, 22.9404,
35.9204

■ 6.2236, 12.2991,
2.5309

■ 31.6822, 24.6036,
40.7682

■ 35.4015, 26.4090,
45.9983

Harmonies

Analogous

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



12.8942, 14.9781, 9.6383



11.8139, 14.9781, 11.9413



11.3796, 14.9781, 15.8188

Triad

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



11.8139, 14.9781, 11.9413



14.0642, 14.9781, 26.7851



17.1639, 14.9781, 12.6511

Complementary

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



11.8139, 14.9781, 11.9413



13.2677, 11.4483, 16.5498

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.



17.5350, 14.9781, 16.8084



11.8139, 14.9781, 11.9413



15.6683, 14.9781, 25.5093

Square

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



11.8139, 14.9781, 11.9413



12.6161, 14.9781, 24.8483



16.9689, 14.9781, 21.6288



15.9895, 14.9781, 9.9910

Rectangle

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



11.8139, 14.9781, 11.9413



11.4886, 14.9781, 18.9878



16.9689, 14.9781, 21.6288



17.3904, 14.9781, 13.8941

Sweetspot

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



11.8143, 14.9787, 11.9416



26.2673, 29.2909, 29.1090



14.3834, 16.3223, 11.1965



6.1651, 6.9388, 6.7931



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.



11.8143, 14.9787, 11.9416



19.7403, 26.1386, 19.2007



12.4862, 15.2475, 15.4800



3.6593, 4.1057, 4.0399



7.1090, 14.0576, 2.8644



34.4502, 68.4273, 12.9418

Inverse Universe

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



13.2677, 11.4483, 16.5498



22.7955, 18.7147, 28.8858



12.5390, 11.1568, 12.7127



3.8060, 3.7497, 4.5050



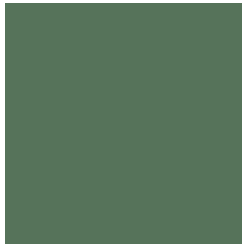
10.6591, 5.1973, 13.9447



51.7087, 25.2336, 66.7203

Previews

White Background



This preview shows how the XYZ color 11.8139, 14.9781, 11.9413 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 11.8139, 14.9781, 11.9413 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 11.8139, 14.9781, 11.9413

Background



This preview shows how black text looks on a background with the XYZ color 11.8139, 14.9781, 11.9413.



This preview shows how white text looks on a background with the XYZ color 11.8139, 14.9781,

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

11.8139, 14.9781, 11.9413

Protanopia

13.8768, 14.7647, 10.9226

Deuteranopia

15.0505, 14.8843, 12.2049



Tritanopia

13.3890, 14.9491, 19.9491

Trichromacy



Original Color

11.8139, 14.9781, 11.9413

Protanomaly

13.0051, 14.7830, 11.1848

Deuteranomaly

13.6813, 14.7955, 12.0323

Tritanomaly

12.6743, 14.8163, 16.6598

Monochromacy



Original Color

11.8139, 14.9781, 11.9413

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

12.3921, 13.9386, 13.5926

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.8139, 14.9781, 11.9413 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, 115, 90) looks like.

```
.text, #text, p{  
    color:rgb(86, 115, 90)  
}
```

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, 115, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 115, 90) }
```

Border

The CSS property to change the border of an element to XYZ 11.8139, 14.9781, 11.9413 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, 115, 90) }
```


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

```
.border{ border-color:rgb(86, 115, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 115, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 115, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 115, 90);  
box-shadow:4px 4px 4px 4px rgb(86, 115,  
90) }
```

Background

The CSS property to change the background color of an element to XYZ 11.8139, 14.9781, 11.9413 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 115, 90) }
```

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

```
.background{ background-color: rgb(86, 115,  
90) }
```

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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