

Converting Colors

XYZ(11.4622, 15.3754, 12.0819)

Have a look what the booklet for
XYZ(11.4622, 15.3754, 12.0819)
contains.

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Color

**XYZ(11.3845, 15.2728,
12.0208)**

Conversions

Conversions Part 1

Format	Color
Hex	4D765A
RGB	77, 118, 90
RGB Percent	30%, 46%, 35%
CMY	0.6980, 0.5372, 0.6471
CMYK	0.35, 0.00, 0.24, 0.54
HSL	139°, 21%, 38%
HSV	139°, 35%, 46%
XYZ	11.3845, 15.2728, 12.0208
YIQ	102.5490, -15.4480, -17.4000

Conversions

Conversions Part 2

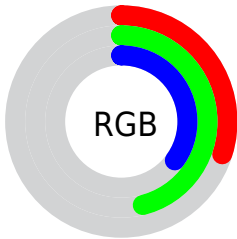
Format	Color
R_{YB}	77, 108, 118
Decimal	5076570
CIE _{Lab}	46.01, -20.80, 10.96
CIE _{LCh}	46, 23.509, 152.207
Yxy	15.2728, 0.2943, 0.3949
Android (android.graphics.Color)	4283266650 (0xFF4D765A)
YUV	102.5490, -6.1867, -22.4065
Hunter-Lab	39.0804, -16.3920, 9.1192

Details

The XYZ color **11.3845, 15.2728, 12.0208** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **12.6754, 10.1797, 14.6621**, and the grayscale version is **12.7922, 13.4584, 14.6562**.

A 20% lighter version of the original color is **27.8607, 35.1549, 30.1281**, and **3.1182, 4.7141, 3.1284** is the 20% darker color. If you saturate the color by 10%, you get **10.1928, 14.6964, 10.2706**, and if you desaturate by 10%, it is **12.7870, 15.9544, 13.9757**.

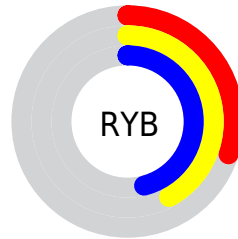
Distribution



Red (30%)

Green (46%)

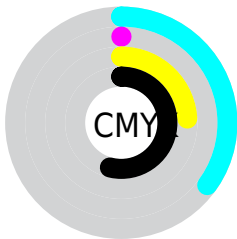
Blue (35%)



Red (30%)

Yellow (42%)

Blue (46%)

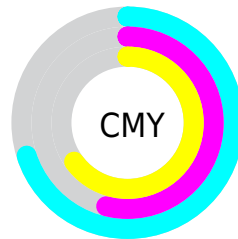


Cyan (35%)

Magenta (0%)

Yellow (24%)

Black (54%)



Cyan (70%)

Magenta (54%)

Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.3845, 15.2728, 12.0208 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 11.3845, 15.2728, 12.0208 by changing the saturation by 10% instead.

■ 11.3845, 15.2728,
12.0208

■ 11.3845, 15.2728,
12.0208

194.1411,
225.0115, 215.5257

■ 6.3953, 9.0111,
6.6351

■ 27.9957, 35.3310,
30.1979

■ 3.1298, 4.7484,
3.1600

■ 40.3484, 49.8963,
43.8265

■ 1.2228, 2.1004,
1.1769

■ 55.8863, 67.9983,
61.0398

■ 0.1242, 0.6649,
0.0000

■ 74.9747, 90.0213,
82.2563

■ 0.0000, 0.0000,
0.0000

■ 97.9791, 116.3497,
107.8946

125.2647,

147.3680, 138.3733

157.1969,
183.4604, 174.1108

■ 11.3845, 15.2728,
12.0208

■ 11.3845, 15.2728,
12.0208

■ 10.1928, 14.6964,
10.2706

■ 12.7870, 15.9544,
13.9757

■ 9.2002, 14.2180,
8.7174

■ 14.4088, 16.7443,
16.1407

■ 8.3955, 13.8325,
7.3546

■ 16.2595, 17.6475,
18.5221

■ 7.7661, 13.5335,
6.1747

■ 18.3477, 18.6686,
21.1257

■ 7.2976, 13.3137,
5.1697

■ 20.6816, 19.8115,
23.9572

■ 6.9679, 13.1620,
4.3309

■ 23.2690, 21.0802,
27.0220

■ 6.8191, 13.0936,
3.9524

■ 26.1172, 22.4783,
30.3252

■ 29.2335, 24.0095,
33.8720

■ 32.6245, 25.6772,
37.6672

Harmonies

Analogous

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



12.5689, 15.2728, 8.9671



11.3845, 15.2728, 12.0208



11.0152, 15.2728, 17.0556

Triad

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



11.3845, 15.2728, 12.0208



14.6644, 15.2728, 30.1771



18.0047, 15.2728, 11.4409

Complementary

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



11.3845, 15.2728, 12.0208



12.6754, 10.1797, 14.6621

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.



18.6904, 15.2728, 16.2105



11.3845, 15.2728, 12.0208



16.6552, 15.2728, 27.7461

Square

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



11.3845, 15.2728, 12.0208



12.8025, 15.2728, 28.3448



18.1755, 15.2728, 22.2871



16.3767, 15.2728, 8.6901

Rectangle

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



11.3845, 15.2728, 12.0208



11.2509, 15.2728, 21.1300



18.1755, 15.2728, 22.2871



18.3594, 15.2728, 12.8182

Sweetspot

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



11.3849, 15.2734, 12.0211



26.7469, 30.1298, 30.2145



13.6462, 16.4976, 9.4866



6.0686, 6.8878, 6.8422



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.



11.3849, 15.2734, 12.0211



18.2526, 26.0001, 18.5567



12.3804, 15.6716, 17.2632



3.6841, 4.1156, 4.1701



7.3718, 14.1627, 4.2479



35.5743, 68.8770, 18.8612

Inverse Universe

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



12.6754, 10.1797, 14.6621



20.8955, 15.5570, 23.9565



11.7461, 9.8079, 9.7684



3.7796, 3.7391, 4.3661



9.6671, 4.8006, 8.7211



46.7075, 23.2331, 40.3848

Previews

White Background



This preview shows how the XYZ color 11.3845, 15.2728, 12.0208 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 11.3845, 15.2728, 12.0208 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 11.3845, 15.2728, 12.0208

Background



This preview shows how black text looks on a background with the XYZ color 11.3845, 15.2728, 12.0208.



This preview shows how white text looks on a background with the XYZ color 11.3845, 15.2728,

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

11.3845, 15.2728, 12.0208

Protanopia

14.2047, 15.0940, 10.7591

Deuteranopia

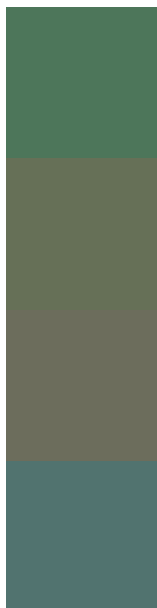
15.3835, 15.0509, 12.4502



Tritanopia

13.2486, 15.3495, 21.0034

Trichromacy



Original Color

11.3845, 15.2728, 12.0208

Protanomaly

12.9940, 15.1012, 11.2468

Deuteranomaly

13.5847, 14.8981, 12.2848

Tritanomaly

12.3933, 15.1585, 17.3116

Monochromacy



Original Color

11.3845, 15.2728, 12.0208

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

12.1833, 13.9866, 13.6128

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.3845, 15.2728, 12.0208 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(77, 118, 90)` looks like.

```
.text, #text, p{  
    color:rgb(77, 118, 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(77, 118, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 118, 90) }
```

Border

The CSS property to change the border of an element to XYZ 11.3845, 15.2728, 12.0208 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(77, 118, 90) }
```


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

```
.border{ border-color:rgb(77, 118, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 118, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 118, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 118, 90);  
box-shadow:4px 4px 4px 4px rgb(77, 118,  
90) }
```

Background

The CSS property to change the background color of an element to XYZ 11.3845, 15.2728, 12.0208 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 118, 90) }
```

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

```
.background{ background-color: rgb(77, 118,  
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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