

Converting Colors

XYZ(11.2269, 14.6402, 11.6088)

Have a look what the booklet for
XYZ(11.2269, 14.6402, 11.6088)
contains.

XYZ(11.2422, 14.6882, 11.6938)	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(11.2422, 14.6882,
11.6938)**

Conversions

Conversions Part 1

Format	Color
Hex	507359
RGB	80, 115, 89
RGB Percent	31%, 45%, 35%
CMY	0.6863, 0.5490, 0.6510
CMYK	0.30, 0.00, 0.23, 0.55
HSL	135°, 18%, 38%
HSV	135°, 30%, 45%
XYZ	11.2422, 14.6882, 11.6938
YIQ	101.5710, -12.5140, -15.5060

Conversions

Conversions Part 2

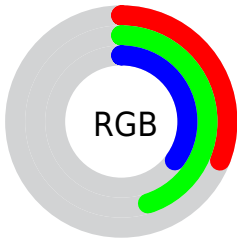
Format	Color
R_{YB}	80, 108, 115
Decimal	5272409
CIE _{Lab}	45.20, -18.37, 10.46
CIE _{LCh}	45, 21.141, 150.353
Yxy	14.6882, 0.2988, 0.3904
Android (android.graphics.Color)	4283462489 (0xFF507359)
YUV	101.5710, -6.1975, -18.9178
Hunter-Lab	38.3252, -14.7084, 8.7370

Details

The XYZ color **11.2422, 14.6882, 11.6938** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **12.5409, 10.4232, 14.9872**, and the grayscale version is **12.5358, 13.1886, 14.3624**.

A 20% lighter version of the original color is **27.6848, 34.2473, 29.5773**, and **3.0704, 4.5121, 2.9946** is the 20% darker color. If you saturate the color by 10%, you get **10.0149, 14.0950, 9.8712**, and if you desaturate by 10%, it is **12.6781, 15.3850, 13.7442**.

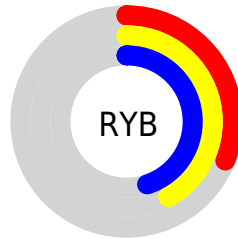
Distribution



Red (31%)

Green (45%)

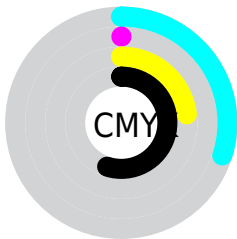
Blue (35%)



Red (31%)

Yellow (42%)

Blue (45%)

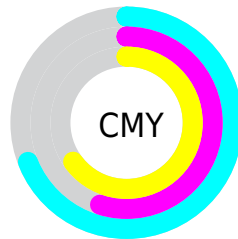


Cyan (30%)

Magenta (0%)

Yellow (23%)

Black (55%)



Cyan (69%)

Magenta (55%)

Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.2422, 14.6882, 11.6938 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 11.2422, 14.6882, 11.6938 by changing the saturation by 10% instead.

■ 11.2422, 14.6882,
11.6938

■ 11.2422, 14.6882,
11.6938

193.1959,
221.4711, 213.2730

■ 6.2985, 8.6009,
6.4155

■ 27.7362, 34.3053,
29.5922

■ 3.0698, 4.4818,
3.0265

■ 40.0171, 48.6038,
43.0494

■ 1.1908, 1.9465,
1.1082

■ 55.4745, 66.4081,
60.0700

■ 0.0991, 0.5761,
0.0000

■ 74.4738, 88.1027,
81.0726

■ 0.0000, 0.0000,
0.0000

■ 97.3802, 114.0718,
106.4756

124.5591,

144.7001, 136.6976

156.3759,
180.3717, 172.1572

■ 11.2422, 14.6882,
11.6938

■ 11.2422, 14.6882,
11.6938

■ 10.0149, 14.0950,
9.8712

■ 12.6781, 15.3850,
13.7442

■ 8.9853, 13.5986,
8.2676

■ 14.3308, 16.1881,
16.0288

■ 8.1430, 13.1944,
6.8749

■ 16.2092, 17.1025,
18.5552

■ 7.4762, 12.8763,
5.6843

■ 18.3216, 18.1322,
21.3302

■ 6.9718, 12.6378,
4.6863

■ 20.6756, 19.2811,
24.3603

■ 6.6147, 12.4714,
3.8706

■ 23.2787, 20.5529,
27.6518

■ 6.3599, 12.3536,
3.2490

■ 26.1381, 21.9512,
31.2109

■ 29.2604, 23.4792,
35.0433

■ 32.6522, 25.1402,
39.1549

Harmonies

Analogous

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



12.3324, 14.6882, 9.0496



11.2422, 14.6882, 11.6938



10.8662, 14.6882, 16.0522

Triad

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



11.2422, 14.6882, 11.6938



13.9814, 14.6882, 27.6593



17.0619, 14.6882, 11.6108

Complementary

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



11.2422, 14.6882, 11.6938



12.5409, 10.4232, 14.9872

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.



17.5931, 14.6882, 15.9339



11.2422, 14.6882, 11.6938



15.7263, 14.6882, 25.8043

Square

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



11.2422, 14.6882, 11.6938



12.3654, 14.6882, 25.8858



17.0855, 14.6882, 21.2345



15.6876, 14.6882, 9.0092

Rectangle

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



11.2422, 14.6882, 11.6938



11.0444, 14.6882, 19.5744



17.0855, 14.6882, 21.2345



17.3498, 14.6882, 12.8774

Sweetspot

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



11.2426, 14.6888, 11.6941



26.0425, 29.1723, 29.2207



13.5529, 15.9208, 9.9484



6.1222, 6.9154, 6.8477



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.



11.2426, 14.6888, 11.6941



18.4407, 25.4841, 18.4424



12.0540, 15.0134, 15.9671



3.6757, 4.1122, 4.1262



7.2624, 14.1189, 3.6717



35.0873, 68.6822, 16.2967

Inverse Universe

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



12.5409, 10.4232, 14.9872



21.1870, 16.4537, 25.4026



11.7320, 10.0996, 10.7277



3.7883, 3.7426, 4.4122



9.9680, 4.9209, 10.3055



48.2135, 23.8355, 48.3151

Previews

White Background



This preview shows how the XYZ color 11.2422, 14.6882, 11.6938 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 11.2422, 14.6882, 11.6938 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 11.2422, 14.6882, 11.6938

Background



This preview shows how black text looks on a background with the XYZ color 11.2422, 14.6882, 11.6938.



This preview shows how white text looks on a background with the XYZ color 11.2422, 14.6882,

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

11.2422, 14.6882, 11.6938

Protanopia

13.6038, 14.4747, 10.6712

Deuteranopia

14.8081, 14.6108, 12.1649



Tritanopia

12.9124, 14.7034, 19.9268

Trichromacy



Original Color

11.2422, 14.6882, 11.6938

Protanomaly

12.5152, 14.3759, 10.9193

Deuteranomaly

13.2094, 14.3965, 11.9801

Tritanomaly

12.2106, 14.5773, 16.6381

Monochromacy



Original Color

11.2422, 14.6882, 11.6938

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

12.0315, 13.7581, 13.3307

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.2422, 14.6882, 11.6938 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(80, 115, 89)` looks like.

```
.text, #text, p{  
    color:rgb(80, 115, 89)  
}
```

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(80, 115, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 115, 89) }
```

Border

The CSS property to change the border of an element to XYZ 11.2422, 14.6882, 11.6938 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(80, 115, 89) }
```


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

```
.border{ border-color:rgb(80, 115, 89) }
```

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

Here you see how a box with a 4 pixel rgb(80, 115, 89) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 115, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 115, 89);  
box-shadow:4px 4px 4px 4px rgb(80, 115,  
89) }
```

Background

The CSS property to change the background color of an element to XYZ 11.2422, 14.6882, 11.6938 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 115, 89) }
```

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

```
.background{ background-color: rgb(80, 115,  
89) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor