

Converting Colors

XYZ(11.7278, 12.1282, 34.1188)

Have a look what the booklet for
XYZ(11.7278, 12.1282, 34.1188)
contains.

XYZ(11.6836, 12.0752, 34.0627)	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(11.6836, 12.0752,
34.0627)**

Conversions

Conversions Part 1

Format	Color
Hex	2A649E
RGB	42, 100, 158
RGB Percent	16%, 39%, 62%
CMY	0.8353, 0.6078, 0.3804
CMYK	0.73, 0.37, 0.00, 0.38
HSL	210°, 58%, 39%
HSV	210°, 73%, 62%
XYZ	11.6836, 12.0752, 34.0627
YIQ	89.2700, -53.1860, 5.7420

Conversions

Conversions Part 2

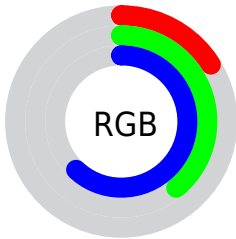
Format	Color
R_{YB}	42, 81, 158
Decimal	2778270
CIE Lab	41.34, 1.47, -36.92
CIE LCh	41, 36.945, 272.285
Yxy	12.0752, 0.2021, 0.2088
Android (android.graphics.Color)	4280968350 (0xFF2A649E)
YUV	89.2700, 33.8839, -41.4558
Hunter-Lab	34.7494, -0.7953, -33.7938




Details

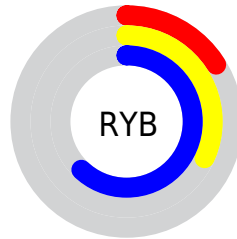
The XYZ color **11.6836, 12.0752, 34.0627** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **19.0767, 16.5524, 4.3808**, and the grayscale version is **9.4917, 9.9860, 10.8747**.




A 20% lighter version of the original color is **28.5101, 29.5004, 67.1423**, and **3.9207, 3.6789, 14.1391** is the 20% darker color. If you saturate the color by 10%, you get **10.4388, 10.3627, 33.7980**, and if you desaturate by 10%, it is **13.2576, 14.0668, 34.3644**.

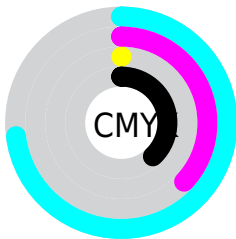
Distribution







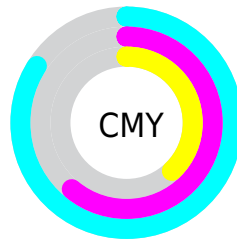
-  Red (16%)
-  Green (39%)
-  Blue (62%)






-  Red (16%)
-  Yellow (32%)
-  Blue (62%)



-  Cyan (73%)
-  Magenta (37%)
-  Yellow (0%)
-  Black (38%)



-  Cyan (84%)
-  Magenta (61%)
-  Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.6836, 12.0752, 34.0627 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 11.6836, 12.0752, 34.0627 by changing the saturation by 10% instead.

■ 11.6836, 12.0752,
34.0627

■ 11.6836, 12.0752,
34.0627

■ 196.1122,
204.9025, 335.1892

■ 6.5993, 6.7949,
22.6640

■ 28.5394, 29.6320,
67.1662

■ 3.2569, 3.3342,
14.1427

■ 41.0416, 42.6773,
89.7080

■ 1.2910, 1.3086,
8.0801

■ 56.7471, 59.0797,
116.8014

■ 0.1765, 0.1478,
4.0577

■ 76.0213, 79.2236,
148.8648

■ 0.0000, 0.0000,
1.6571

■ 99.2296, 103.4935,
186.3167

■ 0.0000, 0.0000,
0.3311

■ 126.7373,

■ 0.0000, 0.0000,

132.2737, 229.5757

0.0000

158.9097,
165.9485, 279.0604

■ 11.6836, 12.0752,
34.0627

■ 11.6836, 12.0752,
34.0627

■ 10.4388, 10.3627,
33.7980

■ 13.2576, 14.0668,
34.3644

■ 9.4878, 8.9075,
33.5673

■ 15.1882, 16.3542,
34.7042

■ 8.9672, 8.0599,
33.4311

■ 17.5012, 18.9536,
35.0840

■ 20.2194, 21.8797,
35.5055

■ 23.3638, 25.1457,
35.9702

■ 26.9536, 28.7643,
36.4795

■ 31.0070, 32.7472,
37.0346

■ 35.5410, 37.1058,
37.6369

■ 40.5719, 41.8507,
38.2876

Harmonies

Analogous

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



9.2459, 12.0752, 30.9919



11.6836, 12.0752, 34.0627



14.4518, 12.0752, 29.9623

Triad

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



11.6836, 12.0752, 34.0627



16.4017, 12.0752, 6.7412



7.4968, 12.0752, 7.4147

Complementary

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



11.6836, 12.0752, 34.0627



19.0767, 16.5524, 4.3808

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.



8.9415, 12.0752, 4.2084



11.6836, 12.0752, 34.0627



14.0412, 12.0752, 3.9392

Square

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



11.6836, 12.0752, 34.0627



17.4268, 12.0752, 12.5687



11.2731, 12.0752, 3.2341



7.0640, 12.0752, 13.7445

Rectangle

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



11.6836, 12.0752, 34.0627



16.0494, 12.0752, 24.3843



11.2731, 12.0752, 3.2341



7.8678, 12.0752, 6.0347

Sweetspot

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



11.6841, 12.0756, 34.0630



43.0322, 46.2810, 65.4085



15.4826, 25.8665, 16.2345



9.3545, 10.0787, 14.6960



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



11.6841, 12.0756, 34.0630



17.8097, 17.1000, 61.1054



7.9551, 4.6176, 32.8200



6.5450, 6.9557, 8.4043



7.2213, 6.5340, 26.7878



0.1714, 0.2014, 0.4931

Inverse Universe

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



17.2292, 9.8458, 13.0492



29.0824, 15.1399, 17.8096



26.7457, 31.8903, 6.9371



6.7644, 6.6987, 7.6105



12.4432, 6.2818, 6.5847



0.2438, 0.1209, 0.2301

Previews

White Background



This preview shows how the XYZ color 11.6836, 12.0752, 34.0627 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 11.6836, 12.0752, 34.0627 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

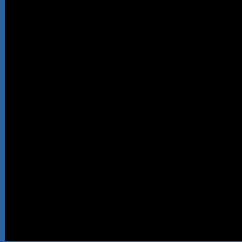
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 11.6836, 12.0752, 34.0627

Background



This preview shows how black text looks on a background with the XYZ color 11.6836, 12.0752, 34.0627.



This preview shows how white text looks on a background with the XYZ color 11.6836, 12.0752,

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

11.6836, 12.0752, 34.0627

Protanopia

12.8266, 12.0134, 32.2146

Deuteranopia

12.4293, 12.1684, 34.4945



Tritanopia

8.5149, 11.9861, 18.3878

Trichromacy



Original Color

11.6836, 12.0752, 34.0627

Protanomaly

12.2410, 11.9727, 32.6761

Deuteranomaly

12.1880, 12.1838, 34.5102

Tritanomaly

9.3453, 11.8434, 23.2662

Monochromacy



Original Color

11.6836, 12.0752, 34.0627

Achromatopsia

9.4954, 9.9899, 10.8790

Achromatomaly

9.6241, 10.4213, 17.4239

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.6836, 12.0752, 34.0627 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(42, 100, 158)` looks like.

```
.text, #text, p{  
    color:rgb(42, 100, 158)  
}
```

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(42, 100, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 100, 158) }
```

Border

The CSS property to change the border of an element to XYZ 11.6836, 12.0752, 34.0627 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(42, 100, 158) }
```


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

```
.border{ border-color:rgb(42, 100, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(42, 100, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 100, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 100, 158);  
box-shadow:4px 4px 4px 4px rgb(42, 100,  
158) }
```

Background

The CSS property to change the background color of an element to XYZ 11.6836, 12.0752, 34.0627 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 100, 158) }
```

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

```
.background{ background-color: rgb(42, 100,  
158) }
```

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