

Converting Colors

XYZ(41.2000, 29.3652, 18.5357)

Have a look what the booklet for
XYZ(41.2000, 29.3652, 18.5357)
contains.

XYZ(41.1868, 29.3396, 18.5312)	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(41.1868, 29.3396,
18.5312)**

Conversions

Conversions Part 1

Format	Color
Hex	E66F6F
RGB	230, 111, 111
RGB Percent	90%, 44%, 44%
CMY	0.0980, 0.5647, 0.5647
CMYK	0.00, 0.52, 0.52, 0.10
HSL	0°, 70%, 67%
HSV	0°, 52%, 90%
XYZ	41.1868, 29.3396, 18.5312
YIQ	146.5810, 70.9240, 25.2280

Conversions

Conversions Part 2

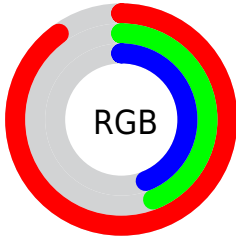
Format	Color
R_{YB}	230, 111, 111
Decimal	15101807
CIE _{Lab}	61.08, 46.12, 22.06
CIE _{LCh}	61, 51.127, 25.563
Yxy	29.3396, 0.4625, 0.3294
Android (android.graphics.Color)	4293291887 (0xFFE66F6F)
YUV	146.5810, -17.5414, 73.1585
Hunter-Lab	54.1660, 40.9373, 17.6320

Details

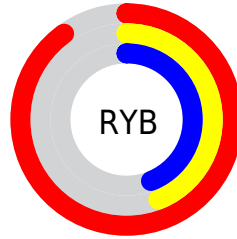
The XYZ color **41.1868, 29.3396, 18.5312** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **49.1333, 65.6823, 84.9509**, and the grayscale version is **27.6108, 29.0487, 31.6340**.

A 20% lighter version of the original color is **61.3060, 50.8146, 41.2274**, and **18.9878, 11.9310, 6.0048** is the 20% darker color. If you saturate the color by 10%, you get **37.8849, 24.5084, 11.9665**, and if you desaturate by 10%, it is **45.4621, 35.5961, 27.0291**.

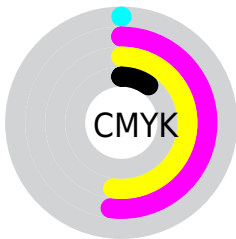
Distribution



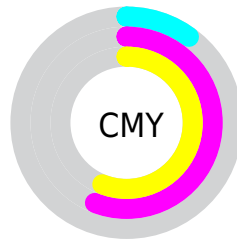
- Red (90%)
- Green (44%)
- Blue (44%)



- Red (90%)
- Yellow (44%)
- Blue (44%)



- Cyan (0%)
- Magenta (52%)
- Yellow (52%)
- Black (10%)





- Cyan (10%)
- Magenta (56%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.1868, 29.3396, 18.5312 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 41.1868, 29.3396, 18.5312 by changing the saturation by 10% instead.


 41.1868, 29.3396,
18.5312


 41.1868, 29.3396,
18.5312

342.1500,
298.8139, 256.1843

 28.6534, 19.3379,
11.1587


 76.2403, 58.6162,
41.7665


 18.9617, 11.9147,
6.0581


 99.4911, 78.6599,
58.4664

 11.7465, 6.6856,
2.8111


 127.0451,
102.8197, 79.1124

 6.6423, 3.2663,
0.9990

 159.2676,
131.4799, 104.1232

 3.2837, 1.2723,
0.0000

196.5240,
165.0251, 133.9172

 1.3055, 0.1196,
0.0000

239.1796,

 0.1873, 0.0000,

203.8396, 168.9130

0.0000

287.5998,
248.3077, 209.5292

■ 0.0000, 0.0000,
0.0000

■ 41.1868, 29.3396,
18.5312

■ 41.1868, 29.3396,
18.5312

■ 37.8849, 24.5084,
11.9665

■ 45.4621, 35.5961,
27.0291

■ 35.4780, 20.9864,
7.1820

■ 50.7766, 43.3728,
37.5941

■ 33.8793, 18.6468,
4.0041

■ 57.1932, 52.7621,
50.3500

■ 32.9836, 17.3361,
2.2239

■ 64.7690, 63.8476,
65.4104

■ 32.6331, 16.8232,
1.5272

■ 73.5571, 76.7070,
82.8809

■ 83.6074, 91.4135,
102.8609

■ 86.4430, 95.5629,
108.4972

Harmonies

Analogous

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



42.7916, 29.3396, 34.8837



41.1868, 29.3396, 18.5312



35.8184, 29.3396, 10.1654

Triad

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



41.1868, 29.3396, 18.5312



18.5593, 29.3396, 15.3032



26.9023, 29.3396, 84.6069

Complementary

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



41.1868, 29.3396, 18.5312



49.1333, 65.6823, 84.9509

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.



21.2215, 29.3396, 73.0229



41.1868, 29.3396, 18.5312



16.9197, 29.3396, 29.1777

Square

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



41.1868, 29.3396, 18.5312



22.6920, 29.3396, 8.8931



17.8104, 29.3396, 50.6426



33.8186, 29.3396, 78.0847

Rectangle

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



41.1868, 29.3396, 18.5312



31.2207, 29.3396, 7.8909



17.8104, 29.3396, 50.6426



24.7984, 29.3396, 82.6058

Sweetspot

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



41.1875, 29.3412, 18.5317



77.5010, 74.3209, 74.0130



52.6004, 33.9051, 78.6346



16.1669, 15.2909, 15.0038



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



41.1875, 29.3412, 18.5317



47.6593, 30.6538, 14.6897



49.9709, 46.9080, 21.4595



14.3771, 14.3681, 14.9200



18.4752, 9.5245, 0.8647



1.3653, 0.7039, 0.0639

Inverse Universe

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



49.1333, 65.6823, 84.9509



58.7262, 81.2701, 107.1993



35.3072, 38.0300, 80.3422



14.8074, 16.3363, 18.5171



24.1042, 35.2705, 47.9206



1.7812, 2.6064, 3.5412

Previews

White Background



This preview shows how the XYZ color 41.1868, 29.3396, 18.5312 looks on a white background.

Color Contrast Check

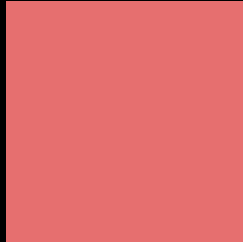
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 41.1868, 29.3396, 18.5312 looks on a black 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

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

XYZ 41.1868, 29.3396, 18.5312

Background



This preview shows how black text looks on a background with the XYZ color 41.1868, 29.3396, 18.5312.



This preview shows how white text looks on a background with the XYZ color 41.1868, 29.3396,

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

41.1868, 29.3396, 18.5312

Protanopia

27.8476, 29.3945, 24.6281

Deuteranopia

30.1790, 29.6167, 17.7617



Tritanopia

41.4791, 29.2829, 20.6055

Trichromacy



Original Color

41.1868, 29.3396, 18.5312

Protanomaly

31.3294, 28.4004, 22.2429

Deuteranomaly

33.5880, 29.0511, 18.0245

Tritanomaly

41.3036, 29.2127, 19.6813

Monochromacy



Original Color

41.1868, 29.3396, 18.5312

Achromatopsia

27.7328, 29.1771, 31.7738

Achromatomaly

30.9596, 28.1185, 26.3499

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.1868, 29.3396, 18.5312 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(230, 111, 111)` looks like.

```
.text, #text, p{  
    color:rgb(230, 111, 111)  
}
```

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(230, 111, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 111, 111) }
```

Border

The CSS property to change the border of an element to XYZ 41.1868, 29.3396, 18.5312 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(230, 111, 111) }
```


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

```
.border{ border-color:rgb(230, 111, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 111, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 111, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 111, 111);  
box-shadow:4px 4px 4px 4px rgb(230, 111,  
111) }
```

Background

The CSS property to change the background color of an element to XYZ 41.1868, 29.3396, 18.5312 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 111, 111) }
```

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

```
.background{ background-color: rgb(230,  
111, 111) }
```

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