

Converting Colors

XYZ(29.1819, 29.3023, 37.8934)

Have a look what the booklet for
XYZ(29.1819, 29.3023, 37.8934)
contains.

XYZ(29.1361, 29.3080, 37.8396)	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(29.1361, 29.3080,
37.8396)**

Conversions

Conversions Part 1

Format	Color
Hex	9691A1
RGB	150, 145, 161
RGB Percent	59%, 57%, 63%
CMY	0.4118, 0.4314, 0.3686
CMYK	0.07, 0.10, 0.00, 0.37
HSL	259°, 8%, 60%
HSV	259°, 10%, 63%
XYZ	29.1361, 29.3080, 37.8396
YIQ	148.3190, -2.1560, 6.0360

Conversions

Conversions Part 2

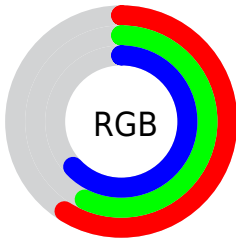
Format	Color
R_{YB}	150, 145, 161
Decimal	9867681
CIE Lab	61.05, 5.01, -7.76
CIE LCh	61, 9.240, 302.834
Yxy	29.3080, 0.3026, 0.3044
Android (android.graphics.Color)	4288057761 (0xFF9691A1)
YUV	148.3190, 6.2517, 1.4742
Hunter-Lab	54.1369, 1.3280, -3.5456

Details

The XYZ color **29.1361, 29.3080, 37.8396** is a light color, and the websafe version is hex **999999**. A complement of this color would be **31.5670, 34.6027, 31.8047**, and the grayscale version is **28.2575, 29.7291, 32.3750**.

A 20% lighter version of the original color is **57.7199, 58.6421, 73.2426**, and **11.9981, 11.9412, 16.1405** is the 20% darker color. If you saturate the color by 10%, you get **24.9066, 23.7314, 36.9866**, and if you desaturate by 10%, it is **33.9084, 35.6837, 38.8191**.

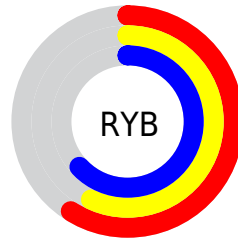
Distribution



Red (59%)

Green (57%)

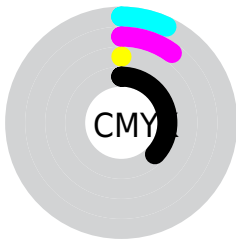
Blue (63%)



Red (59%)

Yellow (57%)

Blue (63%)

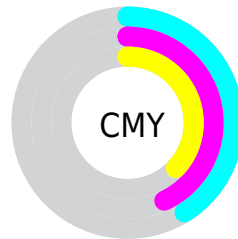


Cyan (7%)

Magenta (10%)

Yellow (0%)

Black (37%)



Cyan (41%)

Magenta (43%)

Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.1361, 29.3080, 37.8396 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 29.1361, 29.3080, 37.8396 by changing the saturation by 10% instead.

■ 29.1361, 29.3080,
37.8396

■ 29.1361, 29.3080,
37.8396

289.8392,
298.6654, 352.2089

■ 19.3286, 19.3139,
25.5574

■ 57.6893, 58.5661,
73.0629

■ 12.0134, 11.8973,
16.2700

■ 77.1657, 78.5989,
96.8411

■ 6.8250, 6.6738,
9.5590

100.5959,
102.7467, 125.2883

■ 3.3983, 3.2590,
5.0058

128.3450,
131.3940, 158.8231

■ 1.3677, 1.2684,
2.1919

160.7786,
164.9252, 197.8640

■ 0.2330, 0.1165,
0.6697

198.2619,

■ 0.0000, 0.0000,

203.7245, 242.8296

0.0000

241.1603,
248.1765, 294.1384

■ 29.1361, 29.3080,
37.8396

■ 29.1361, 29.3080,
37.8396

■ 24.9066, 23.7314,
36.9866

■ 33.9084, 35.6837,
38.8191

■ 21.1975, 18.9181,
36.2530

■ 39.2398, 42.8847,
39.9281

■ 17.9885, 14.8353,
35.6341

■ 45.1491, 50.9408,
41.1716

■ 15.2569, 11.4464,
35.1239

■ 51.6533, 59.8792,
42.5541

■ 12.9781, 8.7113,
34.7161

■ 58.7687, 69.7257,
44.0797

■ 11.1254, 6.5858,
34.4035

■ 66.5112, 80.5053,
45.7522

■ 9.6686, 5.0201,
34.1781

■ 74.0270, 90.5042,
47.2861

■ 8.5731, 3.9560,
34.0304

■ 77.6420, 92.3678,
47.4553

■ 7.7680, 3.2630,
33.9391

■ 81.4857, 94.3493,
47.6352

Harmonies

Analogous

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



27.9715, 29.3080, 39.0345



29.1361, 29.3080, 37.8396



29.9765, 29.3080, 35.0491

Triad

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



29.1361, 29.3080, 37.8396



28.9314, 29.3080, 26.3464



25.5982, 29.3080, 32.2418

Complementary

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



29.1361, 29.3080, 37.8396



31.5670, 34.6027, 31.8047

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.



25.8387, 29.3080, 28.9668



29.1361, 29.3080, 37.8396



27.7416, 29.3080, 25.7123

Square

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



29.1361, 29.3080, 37.8396



29.8560, 29.3080, 28.4356



26.6147, 29.3080, 26.6372



25.9481, 29.3080, 35.6596

Rectangle

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



29.1361, 29.3080, 37.8396



30.2275, 29.3080, 32.7493



26.6147, 29.3080, 26.6372



25.6126, 29.3080, 31.0880

Sweetspot

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



29.1370, 29.3092, 37.8402



57.9542, 60.1874, 68.9494



30.0331, 32.4380, 38.3969



12.5620, 13.0016, 15.0911



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.



29.1370, 29.3092, 37.8402



50.3627, 50.0793, 67.3984



30.6206, 30.0741, 37.9097



6.8990, 6.9623, 8.8833



6.2382, 2.6224, 27.1072



0.1778, 0.0792, 0.5718

Inverse Universe

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



30.8251, 30.2294, 35.6640



54.0383, 52.0835, 62.6243



30.1056, 33.8494, 31.7363



7.2697, 7.1643, 8.4065



14.0361, 6.9705, 12.6468



0.3147, 0.1544, 0.3699

Previews

White Background



This preview shows how the XYZ color 29.1361, 29.3080, 37.8396 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 29.1361, 29.3080, 37.8396 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 29.1361, 29.3080, 37.8396

Background



This preview shows how black text looks on a background with the XYZ color 29.1361, 29.3080, 37.8396.



This preview shows how white text looks on a background with the XYZ color 29.1361, 29.3080,

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

29.1361, 29.3080, 37.8396

Protanopia

28.6545, 29.2774, 38.3233

Deuteranopia

29.7731, 29.1867, 37.7826



Tritanopia

28.7591, 29.3817, 36.0537

Trichromacy



Original Color

29.1361, 29.3080, 37.8396

Protanomaly

28.8331, 29.3694, 38.3316

Deuteranomaly

29.5432, 29.2920, 37.8150

Tritanomaly

28.8449, 29.4160, 36.5053

Monochromacy



Original Color

29.1361, 29.3080, 37.8396

Achromatopsia

28.1479, 29.6138, 32.2495

Achromatomaly

28.5779, 29.5569, 34.3358

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.1361, 29.3080, 37.8396 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(150, 145, 161)` looks like.

```
.text, #text, p{  
    color:rgb(150, 145, 161)  
}
```

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(150, 145, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 145, 161) }
```

Border

The CSS property to change the border of an element to XYZ 29.1361, 29.3080, 37.8396 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(150, 145, 161) }
```


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

```
.border{ border-color:rgb(150, 145, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 145, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 145, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 145, 161);  
box-shadow:4px 4px 4px 4px rgb(150, 145,  
161) }
```

Background

The CSS property to change the background color of an element to XYZ 29.1361, 29.3080, 37.8396 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 145, 161) }
```

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

```
.background{ background-color: rgb(150,  
145, 161) }
```

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