

Converting Colors

XYZ(29.1898, 39.5037, 8.3311)

Have a look what the booklet for
XYZ(29.1898, 39.5037, 8.3311)
contains.

XYZ(29.1727, 39.5181, 8.3757)	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(29.1727, 39.5181,
8.3757)**

Conversions

Conversions Part 1

Format	Color
Hex	94B52B
RGB	148, 181, 43
RGB Percent	58%, 71%, 17%
CMY	0.4196, 0.2902, 0.8314
CMYK	0.18, 0.00, 0.76, 0.29
HSL	74°, 62%, 44%
HSV	74°, 76%, 71%
XYZ	29.1727, 39.5181, 8.3757
YIQ	155.4010, 24.6300, -49.9140

Conversions

Conversions Part 2

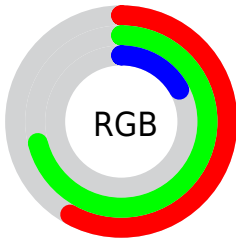
Format	Color
RYB	43, 181, 76
Decimal	9745707
CIELab	69.12, -29.64, 61.71
CIELCh	69, 68.460, 115.659
Yxy	39.5181, 0.3785, 0.5128
Android (android.graphics.Color)	4287935787 (0xFF94B52B)
YUV	155.4010, -55.4137, -6.4907
Hunter-Lab	62.8634, -27.1754, 36.1048

Details

The XYZ color **29.1727, 39.5181, 8.3757** is a dark color, and the websafe version is hex **99CC33**. A complement of this color would be **12.1863, 6.6015, 44.3504**, and the grayscale version is **31.5653, 33.2091, 36.1647**.

A 20% lighter version of the original color is **57.7132, 74.4484, 23.1325**, and **12.2334, 17.7655, 2.7843** is the 20% darker color. If you saturate the color by 10%, you get **28.1434, 39.0190, 6.9625**, and if you desaturate by 10%, it is **30.3805, 40.0948, 10.5677**.

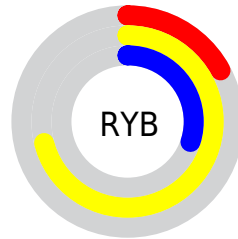
Distribution



Red (58%)

Green (71%)

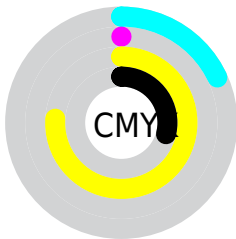
Blue (17%)



Red (17%)

Yellow (71%)

Blue (30%)

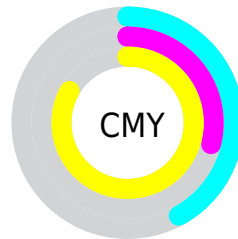


Cyan (18%)

Magenta (0%)

Yellow (76%)

Black (29%)



Cyan (42%)


Magenta (29%)


Yellow (83%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.1727, 39.5181, 8.3757 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 29.1727, 39.5181, 8.3757 by changing the saturation by 10% instead.


 29.1727, 39.5181,
8.3757


 29.1727, 39.5181,
8.3757


290.0085,
344.0882, 188.6931

 19.3564, 27.1630,
4.2451


 57.7470, 74.4291,
23.2500

 12.0336, 17.6957,
1.7607


 77.2358, 97.7539,
34.8307

 6.8390, 10.7317,
0.4019


 100.6795,
125.5039, 49.7318

 3.4070, 5.8867,
0.0000

 128.4434,
158.0638, 68.3719

 1.3725, 2.7763,
0.0000

 160.8928,
195.8177, 91.1696

 0.2365, 1.0161,
0.0000

 198.3933,

 0.0000, 0.0000,

239.1502, 118.5433

0.0000

241.3100,
288.4455, 150.9116

■ 29.1727, 39.5181,
8.3757

■ 29.1727, 39.5181,
8.3757

■ 28.1434, 39.0190,
6.9625

■ 30.3805, 40.0948,
10.5677

■ 27.2667, 38.5829,
6.2055

■ 31.7815, 40.7508,
13.6272

■ 26.9588, 38.4285,
5.9966

■ 33.3921, 41.4940,
17.6337

■ 35.2256, 42.3300,
22.6568

■ 37.2945, 43.2636,
28.7598

■ 39.6100, 44.2994,
36.0008

■ 42.1826, 45.4417,
44.4338

■ 45.0223, 46.6944,
54.1092

■ 48.1383, 48.0613,
65.0746

Harmonies

Analogous

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



39.1748, 39.5181, 6.5848



29.1727, 39.5181, 8.3757



22.7382, 39.5181, 17.2156

Triad

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



29.1727, 39.5181, 8.3757



26.9051, 39.5181, 114.3516



62.6669, 39.5181, 47.7491

Complementary

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



29.1727, 39.5181, 8.3757



12.1863, 6.6015, 44.3504

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.



57.7321, 39.5181, 86.7170



29.1727, 39.5181, 8.3757



35.9917, 39.5181, 135.3223

Square

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



29.1727, 39.5181, 8.3757



21.6182, 39.5181, 74.7216



47.4199, 39.5181, 123.3210



59.8777, 39.5181, 21.8675

Rectangle

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



29.1727, 39.5181, 8.3757



20.6518, 39.5181, 29.7711



47.4199, 39.5181, 123.3210



61.8338, 39.5181, 59.7322

Sweetspot

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



29.1736, 39.5199, 8.3765



67.9286, 77.9909, 54.9972



22.0233, 15.0588, 4.0319



14.3760, 16.7194, 10.9509



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



29.1736, 39.5199, 8.3765



49.3878, 69.3762, 11.5030



20.2528, 34.9210, 7.9590



8.9945, 9.8022, 9.0705



18.6480, 26.5235, 4.1367



0.6349, 0.8594, 0.1324

Inverse Universe

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



12.1863, 6.6015, 44.3504



17.8933, 7.9000, 78.8764



20.7424, 11.0123, 44.7508



8.2260, 8.3250, 10.6797



6.4982, 2.6857, 30.3129



0.2573, 0.1117, 0.9562

Previews

White Background



This preview shows how the XYZ color 29.1727, 39.5181, 8.3757 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 29.1727, 39.5181, 8.3757 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

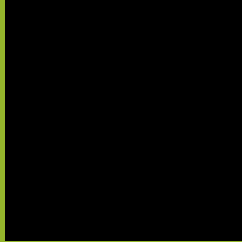
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 29.1727, 39.5181, 8.3757

Background



This preview shows how black text looks on a background with the XYZ color 29.1727, 39.5181, 8.3757.



This preview shows how white text looks on a background with the XYZ color 29.1727, 39.5181,

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

29.1727, 39.5181, 8.3757

Protanopia

35.5572, 39.3480, 7.7283

Deuteranopia

40.0546, 39.2384, 8.7115



Tritanopia

37.5318, 39.4347, 49.8895

Trichromacy



Original Color

29.1727, 39.5181, 8.3757

Protanomaly

32.7994, 39.0459, 7.9057

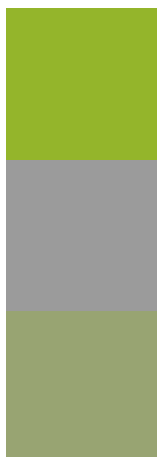
Deuteranomaly

35.2960, 38.9184, 8.5574

Tritanomaly

32.9449, 38.6939, 27.2050

Monochromacy



Original Color

29.1727, 39.5181, 8.3757

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

29.2616, 34.4412, 21.0252

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.1727, 39.5181, 8.3757 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(148, 181, 43)` looks like.

```
.text, #text, p{  
    color:rgb(148, 181, 43)  
}
```

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(148, 181, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 181, 43) }
```

Border

The CSS property to change the border of an element to XYZ 29.1727, 39.5181, 8.3757 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(148, 181, 43) }
```


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

```
.border{ border-color:rgb(148, 181, 43) }
```

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

Here you see how a box with a 4 pixel rgb(148, 181, 43) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 181, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 181, 43);  
box-shadow:4px 4px 4px 4px rgb(148, 181,  
43) }
```

Background

The CSS property to change the background color of an element to XYZ 29.1727, 39.5181, 8.3757 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 181, 43) }
```

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

```
.background{ background-color: rgb(148,  
181, 43) }
```

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