

Converting Colors

XYZ(29.0424, 34.4873, 9.4306)

Have a look what the booklet for
XYZ(29.0424, 34.4873, 9.4306)
contains.

XYZ(29.1953, 34.6637, 9.4270)	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(29.1953, 34.6637,
9.4270)**

Conversions

Conversions Part 1

Format	Color
Hex	A3A43C
RGB	163, 164, 60
RGB Percent	64%, 64%, 24%
CMY	0.3608, 0.3568, 0.7647
CMYK	0.01, 0.00, 0.63, 0.36
HSL	61°, 46%, 44%
HSV	61°, 63%, 64%
XYZ	29.1953, 34.6637, 9.4270
YIQ	151.8450, 32.7880, -32.5560

Conversions

Conversions Part 2

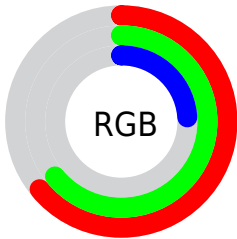
Format	Color
RYB	60, 164, 61
Decimal	10724412
CIELab	65.49, -13.87, 52.02
CIELCh	65, 53.833, 104.932
Yxy	34.6637, 0.3984, 0.4730
Android (android.graphics.Color)	4288914492 (0xFFA3A43C)
YUV	151.8450, -45.2796, 9.7829
Hunter-Lab	58.8759, -14.5184, 31.7198

Details

The XYZ color **29.1953, 34.6637, 9.4270** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **10.2423, 6.9050, 35.9171**, and the grayscale version is **29.9582, 31.5183, 34.3235**.

A 20% lighter version of the original color is **57.7713, 67.0485, 25.2260**, and **11.9785, 14.7765, 2.2208** is the 20% darker color. If you saturate the color by 10%, you get **28.7952, 34.5012, 7.4857**, and if you desaturate by 10%, it is **29.7315, 34.8832, 12.0774**.

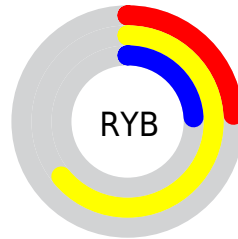
Distribution



Red (64%)

Green (64%)

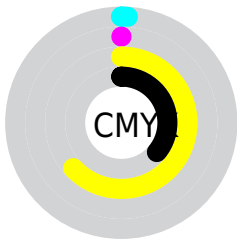
Blue (24%)



Red (24%)

Yellow (64%)

Blue (24%)

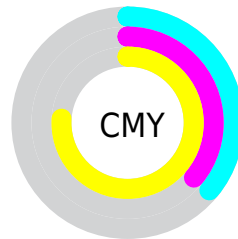


Cyan (1%)

Magenta (0%)

Yellow (63%)

Black (36%)



Cyan (36%)


Magenta (36%)


Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.1953, 34.6637, 9.4270 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 29.1953, 34.6637, 9.4270 by changing the saturation by 10% instead.


 29.1953, 34.6637,
9.4270


 29.1953, 34.6637,
9.4270


290.1129,
323.0814, 196.8660


 19.3736, 23.4039,
4.9201


 57.7826, 66.9645,
25.3028

 12.0462, 14.8921,
2.1426


 77.2790, 88.7742,
37.5087


 6.8476, 8.7437,
0.6409


 100.7311,
114.8695, 53.1182

 3.4124, 4.5744,
0.0000

 128.5041,
145.6346, 72.5496

 1.3754, 1.9998,
0.0000

 160.9634,
181.4539, 96.2215

 0.2386, 0.6073,
0.0000

198.4744,

 0.0000, 0.0000,

222.7119, 124.5526

0.0000

241.4025,
269.7930, 157.9612

■ 29.1953, 34.6637,
9.4270

■ 29.1953, 34.6637,
9.4270

■ 28.7952, 34.5012,
7.4857

■ 29.7315, 34.8832,
12.0774

■ 28.5158, 34.3857,
6.1834

■ 30.4125, 35.1594,
15.4941

■ 28.3425, 34.3126,
5.4398

■ 31.2493, 35.4979,
19.7306

■ 28.2619, 34.2779,
5.1267

■ 32.2510, 35.9023,
24.8354

■ 33.4261, 36.3761,
30.8530

■ 34.7825, 36.9224,
37.8249

■ 36.3275, 37.5442,
45.7900

■ 38.0682, 38.2443,
54.7853

■ 40.0111, 39.0252,
64.8455

Harmonies

Analogous

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



37.0439, 34.6637, 9.4375



29.1953, 34.6637, 9.4270



23.3638, 34.6637, 14.6065

Triad

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



29.1953, 34.6637, 9.4270



23.3437, 34.6637, 77.4260



49.8470, 34.6637, 50.1822

Complementary

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



29.1953, 34.6637, 9.4270



10.2423, 6.9050, 35.9171

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.



44.8463, 34.6637, 77.5429



29.1953, 34.6637, 9.4270



29.1635, 34.6637, 97.0502

Square

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



29.1953, 34.6637, 9.4270



20.3699, 34.6637, 50.0628



37.0067, 34.6637, 97.0999



49.8592, 34.6637, 27.6306

Rectangle

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



29.1953, 34.6637, 9.4270



21.0415, 34.6637, 22.1835



37.0067, 34.6637, 97.0999



48.6624, 34.6637, 59.2708

Sweetspot

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



29.1961, 34.6653, 9.4277



59.3639, 65.4981, 49.3039



17.7425, 11.4514, 5.5506



12.8558, 14.2698, 10.1529



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



29.1961, 34.6653, 9.4277



52.0362, 62.5274, 12.5057



20.7746, 30.3238, 9.0336



7.6426, 8.2338, 7.5666



21.6710, 26.2823, 3.9308



0.4573, 0.5533, 0.0827

Inverse Universe

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



10.2423, 6.9050, 35.9171



14.8321, 8.0251, 64.5196



14.9999, 9.3576, 36.1397



6.7065, 6.8631, 8.8743



5.1555, 2.0642, 27.0565



0.1101, 0.0443, 0.5686

Previews

White Background



This preview shows how the XYZ color 29.1953, 34.6637, 9.4270 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 29.1953, 34.6637, 9.4270 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 29.1953, 34.6637, 9.4270

Background



This preview shows how black text looks on a background with the XYZ color 29.1953, 34.6637, 9.4270.



This preview shows how white text looks on a background with the XYZ color 29.1953, 34.6637,

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

29.1953, 34.6637, 9.4270

Protanopia

31.3190, 34.4592, 9.1383

Deuteranopia

35.2807, 34.5091, 9.6519



Tritanopia

35.6721, 34.7486, 40.9034

Trichromacy



Original Color

29.1953, 34.6637, 9.4270

Protanomaly

30.5475, 34.5762, 9.2015

Deuteranomaly

32.7933, 34.4501, 9.6238

Tritanomaly

32.4198, 34.4210, 25.0139

Monochromacy



Original Color

29.1953, 34.6637, 9.4270

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

28.9285, 32.1768, 22.1388

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.1953, 34.6637, 9.4270 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(163, 164, 60)` looks like.

```
.text, #text, p{  
    color:rgb(163, 164, 60)  
}
```

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(163, 164, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 164, 60) }
```

Border

The CSS property to change the border of an element to XYZ 29.1953, 34.6637, 9.4270 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(163, 164, 60) }
```


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

```
.border{ border-color:rgb(163, 164, 60) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 164, 60)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 164, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 164, 60);  
box-shadow:4px 4px 4px 4px rgb(163, 164,  
60) }
```

Background

The CSS property to change the background color of an element to XYZ 29.1953, 34.6637, 9.4270 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 164, 60) }
```

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

```
.background{ background-color: rgb(163,  
164, 60) }
```

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](#).

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