

Converting Colors

XYZ(29.1524, 32.4906, 12.8795)

Have a look what the booklet for
XYZ(29.1524, 32.4906, 12.8795)
contains.

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Color

**XYZ(29.1757, 32.5085,
12.9207)**

Conversions

Conversions Part 1

Format	Color
Hex	A69C53
RGB	166, 156, 83
RGB Percent	65%, 61%, 33%
CMY	0.3490, 0.3882, 0.6745
CMYK	0.00, 0.06, 0.50, 0.35
HSL	53°, 33%, 49%
HSV	53°, 50%, 65%
XYZ	29.1757, 32.5085, 12.9207
YIQ	150.6680, 29.3930, -20.5830

Conversions

Conversions Part 2

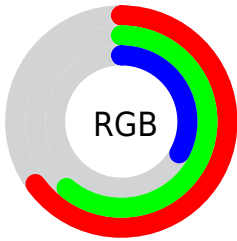
Format	Color
RYB	94, 166, 83
Decimal	10918995
CIELab	63.76, -6.51, 39.24
CIELCh	64, 39.774, 99.423
Yxy	32.5085, 0.3911, 0.4357
Android (android.graphics.Color)	4289109075 (0xFFA69C53)
YUV	150.6680, -33.3603, 13.4462
Hunter-Lab	57.0162, -8.4384, 26.4754

Details

The XYZ color **29.1757, 32.5085, 12.9207** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **14.3645, 12.4205, 37.7166**, and the grayscale version is **29.4034, 30.9347, 33.6879**.

A 20% lighter version of the original color is **57.7811, 63.5024, 31.7661**, and **12.0224, 13.6634, 3.5170** is the 20% darker color. If you saturate the color by 10%, you get **28.2776, 31.6181, 9.8292**, and if you desaturate by 10%, it is **30.2343, 33.4744, 16.8236**.

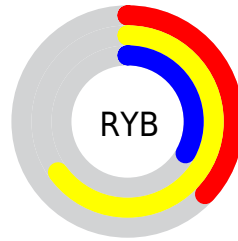
Distribution



Red (65%)

Green (61%)

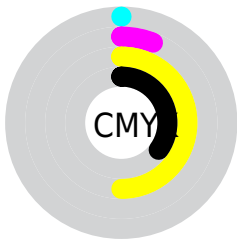
Blue (33%)



Red (37%)

Yellow (65%)

Blue (33%)

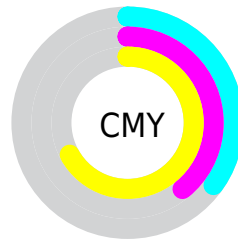


Cyan (0%)

Magenta (6%)

Yellow (50%)

Black (35%)



Cyan (35%)

Magenta (39%)

Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.1757, 32.5085, 12.9207 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 29.1757, 32.5085, 12.9207 by changing the saturation by 10% instead.

■ 29.1757, 32.5085,
12.9207

■ 29.1757, 32.5085,
12.9207

290.0223,
313.4292, 221.5988

■ 19.3587, 21.7502,
7.2439

■ 57.7518, 63.6074,
31.8503

■ 12.0353, 13.6735,
3.5343

■ 77.2415, 84.7168,
45.9402

■ 6.8401, 7.8939,
1.3735

■ 100.6863,
110.0453, 63.6716

■ 3.4077, 4.0271,
0.1209

■ 128.4514,
139.9774, 85.4629

■ 1.3729, 1.6888,
0.0000

■ 160.9022,
174.8975, 111.7327

■ 0.2368, 0.4164,
0.0000

198.4041,

■ 0.0000, 0.0000,

215.1898, 142.8996

0.0000

241.3223,
261.2389, 179.3821

■ 29.1757, 32.5085,
12.9207

■ 29.1757, 32.5085,
12.9207

■ 28.2776, 31.6181,
9.8292

■ 30.2343, 33.4744,
16.8236

■ 27.5266, 30.7941,
7.4884

■ 31.4613, 34.5152,
21.5886

■ 26.9107, 30.0330,
5.8323

■ 32.8665, 35.6363,
27.2650

■ 26.4151, 29.3286,
4.7829

■ 34.4584, 36.8410,
33.8973

■ 26.0061, 28.6676,
4.1628

■ 36.2452, 38.1326,
41.5274

■ 26.0061, 28.6675,
4.1627

■ 38.2342, 39.5142,
50.1948

■ 40.4325, 40.9886,
59.9365

■ 42.8469, 42.5586,
70.7880

■ 45.4838, 44.2267,
82.7830

Harmonies

Analogous

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



34.8228, 32.5085, 13.7260



29.1757, 32.5085, 12.9207



24.5763, 32.5085, 16.5773

Triad

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



29.1757, 32.5085, 12.9207



23.3326, 32.5085, 58.7013



42.0647, 32.5085, 47.3252

Complementary

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



29.1757, 32.5085, 12.9207



14.3645, 12.4205, 37.7166

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.



38.2210, 32.5085, 64.8165



29.1757, 32.5085, 12.9207



27.2804, 32.5085, 72.6375

Square

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



29.1757, 32.5085, 12.9207



21.4806, 32.5085, 40.6663



32.6875, 32.5085, 75.1613



42.7309, 32.5085, 30.6024

Rectangle

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



29.1757, 32.5085, 12.9207



22.5547, 32.5085, 21.9587



32.6875, 32.5085, 75.1613



41.0812, 32.5085, 53.4310

Sweetspot

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



29.1765, 32.5100, 12.9214



60.9703, 65.6894, 54.9439



20.8427, 15.1032, 12.4225



13.5149, 14.6017, 11.7596



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



29.1765, 32.5100, 12.9214



51.1564, 57.2112, 17.2993



25.2808, 33.0950, 13.2396



8.0686, 8.6173, 8.0273



20.1891, 22.2755, 3.2355



0.5121, 0.5837, 0.0857

Inverse Universe

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



14.3645, 12.4205, 37.7166



21.1814, 16.5825, 67.5596



16.8424, 12.4796, 37.5974



7.2019, 7.4407, 9.4750



5.5506, 2.5615, 28.1774



0.1565, 0.1053, 0.6927

Previews

White Background



This preview shows how the XYZ color 29.1757, 32.5085, 12.9207 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 29.1757, 32.5085, 12.9207 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 29.1757, 32.5085, 12.9207

Background



This preview shows how black text looks on a background with the XYZ color 29.1757, 32.5085, 12.9207.



This preview shows how white text looks on a background with the XYZ color 29.1757, 32.5085,

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

29.1757, 32.5085, 12.9207

Protanopia

29.8602, 32.6133, 12.9048

Deuteranopia

33.0597, 32.3421, 13.0946



Tritanopia

34.1473, 32.3693, 37.2490

Trichromacy



Original Color

29.1757, 32.5085, 12.9207

Protanomaly

29.6449, 32.5022, 12.8947

Deuteranomaly

31.5626, 32.2765, 12.9540

Tritanomaly

31.7977, 32.1093, 25.9945

Monochromacy



Original Color

29.1757, 32.5085, 12.9207

Achromatopsia

29.4150, 30.9469, 33.7012

Achromatomaly

28.8674, 31.3567, 24.2696

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.1757, 32.5085, 12.9207 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(166, 156, 83)` looks like.

```
.text, #text, p{  
    color:rgb(166, 156, 83)  
}
```

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(166, 156, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 156, 83) }
```

Border

The CSS property to change the border of an element to XYZ 29.1757, 32.5085, 12.9207 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(166, 156, 83) }
```


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

```
.border{ border-color:rgb(166, 156, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 156, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 156, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 156, 83);  
box-shadow:4px 4px 4px 4px rgb(166, 156,  
83) }
```

Background

The CSS property to change the background color of an element to XYZ 29.1757, 32.5085, 12.9207 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 156, 83) }
```

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

```
.background{ background-color: rgb(166,  
156, 83) }
```

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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