

Converting Colors

XYZ(25.2485, 35.0821, 29.2905)

Have a look what the booklet for
XYZ(25.2485, 35.0821, 29.2905)
contains.

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Color

**XYZ(25.1309, 34.9030,
29.0793)**

Conversions

Conversions Part 1

Format	Color
Hex	66AE89
RGB	102, 174, 137
RGB Percent	40%, 68%, 54%
CMY	0.6000, 0.3176, 0.4627
CMYK	0.41, 0.00, 0.21, 0.32
HSL	149°, 31%, 54%
HSV	149°, 41%, 68%
XYZ	25.1309, 34.9030, 29.0793
YIQ	148.2540, -31.0350, -26.7710

Conversions

Conversions Part 2

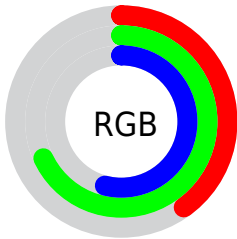
Format	Color
RYB	102, 150, 174
Decimal	6729353
CIELab	65.67, -31.12, 12.02
CIElCh	66, 33.362, 158.884
Yxy	34.9030, 0.2820, 0.3917
Android (android.graphics.Color)	4284919433 (0xFF66AE89)
YUV	148.2540, -5.5482, -40.5648
Hunter-Lab	59.0788, -27.4576, 12.1719

Details

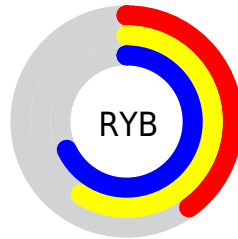
The XYZ color **25.1309, 34.9030, 29.0793** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **26.8683, 20.3664, 26.9425**, and the grayscale version is **28.2868, 29.7600, 32.4086**.

A 20% lighter version of the original color is **51.3014, 67.3793, 59.0168**, and **9.8243, 15.0158, 11.3974** is the 20% darker color. If you saturate the color by 10%, you get **22.7471, 33.7461, 25.7573**, and if you desaturate by 10%, it is **27.9837, 36.2974, 32.7023**.

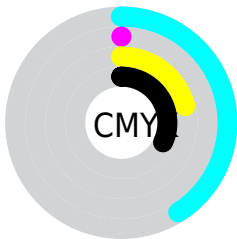
Distribution



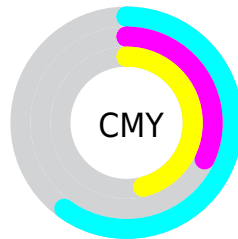
- Red (40%)
- Green (68%)
- Blue (54%)



- Red (40%)
- Yellow (59%)
- Blue (68%)



- Cyan (41%)
- Magenta (0%)
- Yellow (21%)
- Black (32%)



- Cyan (60%)
- Magenta (32%)
- Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 25.1309, 34.9030, 29.0793 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 25.1309, 34.9030, 29.0793 by changing the saturation by 10% instead.

■ 25.1309, 34.9030,
29.0793

■ 25.1309, 34.9030,
29.0793

270.8248,
324.1400, 311.6616

■ 16.3039, 23.5882,
18.8947

■ 51.3109, 67.3355,
59.2467

■ 9.8316, 15.0284,
11.4182

■ 69.3945, 89.2219,
80.0667

■ 5.3489, 8.8393,
6.2312

■ 91.2944, 115.4010,
105.2688

■ 2.4902, 4.6365,
2.9151

■ 117.3759,
146.2571, 135.2717

■ 0.8903, 2.0356,
1.0514

148.0043,
182.1747, 170.4939

■ 0.0000, 0.6280,
0.0000

183.5450,

■ 0.0000, 0.0000,

223.5381, 211.3539

0.0000

224.3634,
270.7317, 258.2703

■ 25.1309, 34.9030,
29.0793

■ 25.1309, 34.9030,
29.0793

■ 22.7471, 33.7461,
25.7573

■ 27.9837, 36.2974,
32.7023

■ 20.8021, 32.8085,
22.7260

■ 31.3277, 37.9378,
36.6316

■ 19.2663, 32.0760,
19.9777


■ 35.1870, 39.8374,
40.8753


■ 18.1053, 31.5310,
17.5037


■ 39.5835, 42.0074,
45.4405


■ 17.2782, 31.1527,
15.2944


■ 44.5376, 44.4581,
50.3339

 16.7598, 30.9226,
13.5929

 50.0685, 47.1994,
55.5624

 56.1947, 50.2406,
61.1321

 62.9337, 53.5907,
67.0494

 68.9637, 56.5681,
73.2577

Harmonies

Analogous

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



27.5989, 34.9030, 20.6166



25.1309, 34.9030, 29.0793



24.7011, 34.9030, 42.3293

Triad

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



25.1309, 34.9030, 29.0793



34.6522, 34.9030, 71.4249



41.0709, 34.9030, 23.4441

Complementary

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



25.1309, 34.9030, 29.0793



26.8683, 20.3664, 26.9425

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.



43.3924, 34.9030, 33.9828



25.1309, 34.9030, 29.0793



39.4540, 34.9030, 63.1456

Square

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



25.1309, 34.9030, 29.0793



29.8911, 34.9030, 69.1801



42.7732, 34.9030, 48.5887



36.6894, 34.9030, 17.9646

Rectangle

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



25.1309, 34.9030, 29.0793



25.5823, 34.9030, 52.6009



42.7732, 34.9030, 48.5887



42.1367, 34.9030, 26.3922

Sweetspot

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



25.1318, 34.9044, 29.0801



63.2035, 71.9529, 73.4775



28.2164, 36.7391, 18.1751



13.8408, 15.8904, 16.1084



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



25.1318, 34.9044, 29.0801



41.4539, 61.3040, 47.0046



28.1402, 36.1078, 44.9217



8.0606, 9.0018, 9.3442



12.1853, 22.4394, 10.0155



0.3667, 0.6353, 0.4247

Inverse Universe

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



26.8683, 20.3664, 26.9425



45.0473, 31.2098, 42.5741



24.6662, 19.4855, 15.3462



8.1706, 8.0815, 9.2091



14.0114, 7.0671, 7.7056



0.4173, 0.2076, 0.3593

Previews

White Background



This preview shows how the XYZ color 25.1309, 34.9030, 29.0793 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 25.1309, 34.9030, 29.0793 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

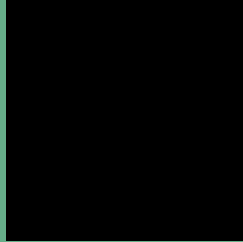
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 25.1309, 34.9030, 29.0793

Background



This preview shows how black text looks on a background with the XYZ color 25.1309, 34.9030, 29.0793.

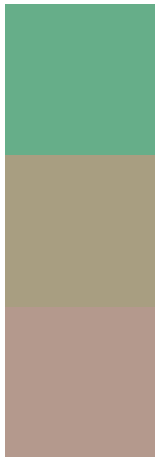


This preview shows how white text looks on a background with the XYZ color 25.1309, 34.9030,

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

25.1309, 34.9030, 29.0793

Protanopia

32.3378, 34.3635, 25.6973

Deuteranopia

35.0213, 34.4089, 29.9951



Tritanopia

29.1532, 34.8522, 48.9067

Trichromacy



Original Color

25.1309, 34.9030, 29.0793

Protanomaly

28.9419, 34.1462, 26.8953

Deuteranomaly

30.4274, 34.0586, 29.7812

Tritanomaly

27.4729, 34.7173, 40.8504

Monochromacy



Original Color

25.1309, 34.9030, 29.0793

Achromatopsia

28.1479, 29.6138, 32.2495

Achromatomaly

26.4511, 30.9529, 30.9659

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.1309, 34.9030, 29.0793 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(102, 174, 137)` looks like.

```
.text, #text, p{  
    color:rgb(102, 174, 137)  
}
```

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(102, 174, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 174, 137) }
```

Border

The CSS property to change the border of an element to XYZ 25.1309, 34.9030, 29.0793 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(102, 174, 137) }
```


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

```
.border{ border-color:rgb(102, 174, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 174, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 174, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 174, 137);  
box-shadow:4px 4px 4px 4px rgb(102, 174,  
137) }
```

Background

The CSS property to change the background color of an element to XYZ 25.1309, 34.9030, 29.0793 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 174, 137) }
```

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

```
.background{ background-color: rgb(102,  
174, 137) }
```

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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