

Converting Colors

XYZ(29.4942, 41.0880, 25.4109)

Have a look what the booklet for
XYZ(29.4942, 41.0880, 25.4109)
contains.

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Color

**XYZ(29.5768, 41.2068,
25.4636)**

Conversions

Conversions Part 1

Format	Color
Hex	7BBB7C
RGB	123, 187, 124
RGB Percent	48%, 73%, 49%
CMY	0.5176, 0.2667, 0.5137
CMYK	0.34, 0.00, 0.34, 0.27
HSL	121°, 32%, 61%
HSV	121°, 34%, 73%
XYZ	29.5768, 41.2068, 25.4636
YIQ	160.6820, -17.9210, -33.1610

Conversions

Conversions Part 2

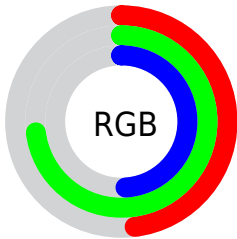
Format	Color
RYB	123, 186, 187
Decimal	8108924
CIELab	70.32, -33.25, 25.61
CIELCh	70, 41.966, 142.396
Yxy	41.2068, 0.3073, 0.4281
Android (android.graphics.Color)	4286299004 (0xFF7BBB7C)
YUV	160.6820, -18.0842, -33.0471
Hunter-Lab	64.1925, -30.0928, 21.4159

Details

The XYZ color **29.5768, 41.2068, 25.4636** is a dark color, and the websafe version is hex **99CC99**. A complement of this color would be **36.4408, 28.2768, 49.9934**, and the grayscale version is **33.8167, 35.5778, 38.7443**.

A 20% lighter version of the original color is **58.4180, 77.2228, 53.4215**, and **12.2221, 18.6091, 9.4263** is the 20% darker color. If you saturate the color by 10%, you get **26.0954, 39.5355, 19.7809**, and if you desaturate by 10%, it is **33.7886, 43.2320, 32.3166**.

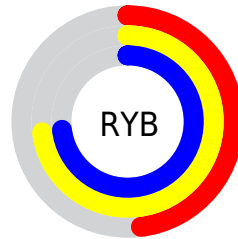
Distribution



Red (48%)

Green (73%)

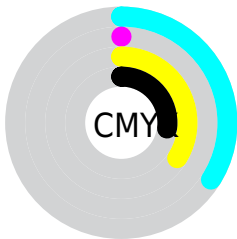
Blue (49%)



Red (48%)

Yellow (73%)

Blue (73%)

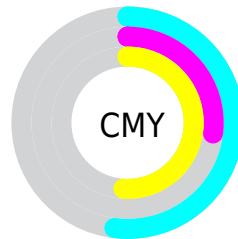


Cyan (34%)

Magenta (0%)

Yellow (34%)

Black (27%)



Cyan (52%)

Magenta (27%)

Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.5768, 41.2068, 25.4636 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 29.5768, 41.2068, 25.4636 by changing the saturation by 10% instead.

■ 29.5768, 41.2068,
25.4636

■ 29.5768, 41.2068,
25.4636

291.8722,
351.1842, 293.6601

■ 19.6641, 28.4807,
16.2006

■ 58.3835, 76.9977,
53.3817

■ 12.2579, 18.6883,
9.5103

■ 78.0082, 100.8313,
72.8740

■ 6.9930, 11.4453,
4.9742

■ 101.6009,
129.1363, 96.6131

■ 3.5040, 6.3672,
2.1737

129.5270,
162.2969, 125.0176

■ 1.4256, 3.0696,
0.6591

162.1518,
200.6976, 158.5060

■ 0.2743, 1.1682,
0.0000

199.8407,

■ 0.0000, 0.0355,

244.7228, 197.4968

0.0000

242.9590,
294.7568, 242.4087

■ 0.0000, 0.0000,
0.0000

■ 29.5768, 41.2068,
25.4636

■ 29.5768, 41.2068,
25.4636

■ 26.0954, 39.5355,
19.7809

■ 33.7886, 43.2320,
32.3166

■ 23.3001, 38.1929,
15.2006

■ 38.7658, 45.6241,
40.3972

■ 21.1463, 37.1589,
11.6520


■ 44.5447, 48.4019,
49.7624


■ 19.5832, 36.4090,
9.0551


■ 51.1587, 51.5815,
60.4648


■ 18.5522, 35.9148,
7.3182


■ 58.6389, 55.1779,
72.5539

 17.9827, 35.6425,
6.3317

 67.0153, 59.2054,
86.0768

 17.7871, 35.5486,
6.0081

 76.3159, 63.6777,
101.0785

 77.0611, 64.0222,
102.9037

Harmonies

Analogous

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



34.3305, 41.2068, 18.1291



29.5768, 41.2068, 25.4636



27.4436, 41.2068, 40.0297

Triad

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



29.5768, 41.2068, 25.4636



37.4381, 41.2068, 93.9823



52.7411, 41.2068, 31.9045

Complementary

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



29.5768, 41.2068, 25.4636



36.4408, 28.2768, 49.9934

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.



53.8252, 41.2068, 50.0796



29.5768, 41.2068, 25.4636



44.4351, 41.2068, 89.9027

Square

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



29.5768, 41.2068, 25.4636



31.6228, 41.2068, 82.1538



50.6312, 41.2068, 72.2408



47.8220, 41.2068, 21.0151

Rectangle

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



29.5768, 41.2068, 25.4636



27.5957, 41.2068, 53.5176



50.6312, 41.2068, 72.2408



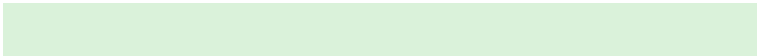
53.5877, 41.2068, 37.2031

Sweetspot

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



29.5779, 41.2085, 25.4645



73.4553, 83.6456, 78.8807



41.8408, 47.5376, 25.7097



15.8618, 18.2691, 16.8614



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



29.5779, 41.2085, 25.4645



48.2126, 71.5147, 37.8411



31.8563, 42.1199, 37.4624



9.4147, 10.6520, 10.1672



12.2575, 24.4933, 4.1526



0.4822, 0.9603, 0.1737

Inverse Universe

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



36.4408, 28.2768, 49.9934



62.3474, 44.8775, 88.3582



33.4941, 27.0981, 34.4765



9.9234, 9.6936, 11.9854



20.0895, 9.6670, 32.0947



0.7890, 0.3795, 1.2681

Previews

White Background



This preview shows how the XYZ color 29.5768, 41.2068, 25.4636 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 29.5768, 41.2068, 25.4636 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 29.5768, 41.2068, 25.4636

Background



This preview shows how black text looks on a background with the XYZ color 29.5768, 41.2068, 25.4636.



This preview shows how white text looks on a background with the XYZ color 29.5768, 41.2068,

25.4636.

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

29.5768, 41.2068, 25.4636

Protanopia

37.7814, 40.7245, 22.6989

Deuteranopia

41.5950, 40.6925, 26.4310



Tritanopia

35.6994, 40.9253, 56.4699

Trichromacy



Original Color

29.5768, 41.2068, 25.4636

Protanomaly

34.0126, 40.4817, 23.7904

Deuteranomaly

35.8169, 39.9216, 25.8966

Tritanomaly

32.9518, 40.7002, 43.1650

Monochromacy



Original Color

29.5768, 41.2068, 25.4636

Achromatopsia

33.8758, 35.6400, 38.8120

Achromatomaly

31.7526, 37.0906, 33.5026

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.5768, 41.2068, 25.4636 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(123, 187, 124)` looks like.

```
.text, #text, p{  
    color:rgb(123, 187, 124)  
}
```

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(123, 187, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 187, 124) }
```

Border

The CSS property to change the border of an element to XYZ 29.5768, 41.2068, 25.4636 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(123, 187, 124) }
```


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

```
.border{ border-color:rgb(123, 187, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 187, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 187, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 187, 124);  
box-shadow:4px 4px 4px 4px rgb(123, 187,  
124) }
```

Background

The CSS property to change the background color of an element to XYZ 29.5768, 41.2068, 25.4636 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 187, 124) }
```

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

```
.background{ background-color: rgb(123,  
187, 124) }
```

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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