

Converting Colors

XYZ(29.7757, 40.0163, 35.9262)

Have a look what the booklet for
XYZ(29.7757, 40.0163, 35.9262)
contains.

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Color

**XYZ(29.8782, 40.1928,
35.8890)**

Conversions

Conversions Part 1

Format	Color
Hex	73B898
RGB	115, 184, 152
RGB Percent	45%, 72%, 60%
CMY	0.5490, 0.2784, 0.4039
CMYK	0.38, 0.00, 0.17, 0.28
HSL	152°, 33%, 59%
HSV	152°, 38%, 72%
XYZ	29.8782, 40.1928, 35.8890
YIQ	159.7210, -30.8520, -24.5800

Conversions

Conversions Part 2

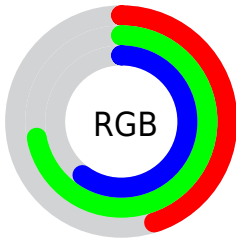
Format	Color
RYB	115, 160, 184
Decimal	7583896
CIELab	69.61, -29.02, 9.44
CIElCh	70, 30.521, 161.976
Yxy	40.1928, 0.2820, 0.3793
Android (android.graphics.Color)	4285773976 (0xFF73B898)
YUV	159.7210, -3.8065, -39.2203
Hunter-Lab	63.3978, -26.8224, 10.8148

Details

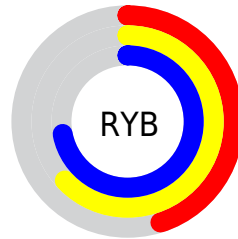
The XYZ color **29.8782, 40.1928, 35.8890** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **31.1657, 24.5593, 30.7031**, and the grayscale version is **33.3132, 35.0480, 38.1673**.

A 20% lighter version of the original color is **58.6629, 75.2114, 69.8179**, and **12.5152, 18.2289, 15.1708** is the 20% darker color. If you saturate the color by 10%, you get **27.0221, 38.7994, 32.2376**, and if you desaturate by 10%, it is **33.2698, 41.8586, 39.8298**.

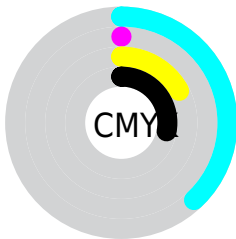
Distribution



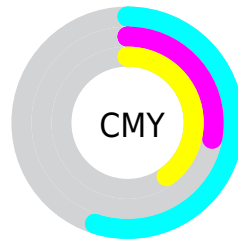
- Red (45%)
- Green (72%)
- Blue (60%)



- Red (45%)
- Yellow (63%)
- Blue (72%)



- Cyan (38%)
- Magenta (0%)
- Yellow (17%)
- Black (28%)



- Cyan (55%)
- Magenta (28%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.8782, 40.1928, 35.8890 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 29.8782, 40.1928, 35.8890 by changing the saturation by 10% instead.

■ 29.8782, 40.1928,
35.8890

■ 29.8782, 40.1928,
35.8890

293.2563,
346.9355, 343.4978

■ 19.8938, 27.6889,
24.0595

■ 58.8575, 75.4570,
70.0278

■ 12.4257, 18.0913,
15.1651

■ 78.5830, 98.9861,
93.1742

■ 7.1085, 11.0155,
8.7875

■ 102.2863,
126.9591, 120.9299

■ 3.5770, 6.0773,
4.5079

130.3327,
159.7603, 153.7135

■ 1.4657, 2.8921,
1.9079

163.0875,
197.7741, 191.9436

■ 0.3023, 1.0757,
0.4978

200.9162,

■ 0.0000, 0.0000,

241.3850, 236.0387

0.0000

244.1840,
290.9774, 286.4172

■ 29.8782, 40.1928,
35.8890

■ 29.8782, 40.1928,
35.8890

■ 27.0221, 38.7994,
32.2376

■ 33.2698, 41.8586,
39.8298

■ 24.6681, 37.6581,
28.8659

■ 37.2211, 43.8060,
44.0638

■ 22.7845, 36.7536,
25.7676


■ 41.7587, 46.0495,
48.5983


■ 21.3338, 36.0670,
22.9351


■ 46.9066, 48.6016,
53.4394


■ 20.2728, 35.5759,
20.3604


■ 52.6874, 51.4736,
58.5932

 19.5379, 35.2478,
18.0340

 59.1225, 54.6765,
64.0652

 19.3774, 35.1769,
17.4892

 66.2322, 58.2208,
69.8613

 71.3356, 60.7242,
75.8603

 72.4970, 61.1887,
81.9763

Harmonies

Analogous

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



32.2063, 40.1928, 26.5240



29.8782, 40.1928, 35.8890



29.6590, 40.1928, 49.6417

Triad

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



29.8782, 40.1928, 35.8890



40.2030, 40.1928, 76.0550



45.6915, 40.1928, 28.0011

Complementary

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



29.8782, 40.1928, 35.8890



31.1657, 24.5593, 30.7031

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.



48.2457, 40.1928, 38.3680



29.8782, 40.1928, 35.8890



44.8993, 40.1928, 67.2076

Square

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



29.8782, 40.1928, 35.8890



35.3434, 40.1928, 74.9885



47.9439, 40.1928, 52.7122



41.2108, 40.1928, 22.6906

Rectangle

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



29.8782, 40.1928, 35.8890



30.7119, 40.1928, 59.7718



47.9439, 40.1928, 52.7122



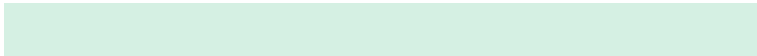
46.8206, 40.1928, 30.9031

Sweetspot

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



29.8793, 40.1944, 35.8899



72.5394, 81.9118, 85.0019



32.3048, 41.7421, 22.5746



15.3982, 17.5399, 18.0860



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



29.8793, 40.1944, 35.8899



49.8204, 70.7394, 59.5567



32.3898, 40.4404, 51.4480



9.0862, 10.1385, 10.6115



13.3902, 24.2570, 12.2428



0.5030, 0.8675, 0.5944

Inverse Universe

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



31.1657, 24.5593, 30.7031



52.4915, 38.3023, 48.8073



29.2591, 24.2217, 19.3533



9.1732, 9.0797, 10.2597



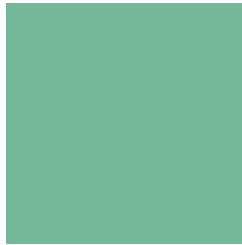
14.7977, 7.4928, 6.8215



0.5530, 0.2767, 0.4053

Previews

White Background



This preview shows how the XYZ color 29.8782, 40.1928, 35.8890 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 29.8782, 40.1928, 35.8890 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 29.8782, 40.1928, 35.8890

Background



This preview shows how black text looks on a background with the XYZ color 29.8782, 40.1928, 35.8890.



This preview shows how white text looks on a background with the XYZ color 29.8782, 40.1928,

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

29.8782, 40.1928, 35.8890

Protanopia

37.5821, 39.8545, 32.0975

Deuteranopia

40.3331, 39.5418, 36.9590



Tritanopia

33.8582, 39.9761, 56.3837

Trichromacy



Original Color

29.8782, 40.1928, 35.8890

Protanomaly

33.9201, 39.3473, 33.4108

Deuteranomaly

35.5836, 39.2789, 36.7165

Tritanomaly

32.2423, 39.9218, 48.1258

Monochromacy



Original Color

29.8782, 40.1928, 35.8890

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

31.7754, 36.7395, 37.3150

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.8782, 40.1928, 35.8890 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(115, 184, 152)` looks like.

```
.text, #text, p{  
    color:rgb(115, 184, 152)  
}
```

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(115, 184, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 184, 152) }
```

Border

The CSS property to change the border of an element to XYZ 29.8782, 40.1928, 35.8890 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(115, 184, 152) }
```


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

```
.border{ border-color:rgb(115, 184, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 184, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 184, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 184, 152);  
box-shadow:4px 4px 4px 4px rgb(115, 184,  
152) }
```

Background

The CSS property to change the background color of an element to XYZ 29.8782, 40.1928, 35.8890 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 184, 152) }
```

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

```
.background{ background-color: rgb(115,  
184, 152) }
```

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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