

Converting Colors

XYZ(29.8020, 34.7463, 41.0923)

Have a look what the booklet for
XYZ(29.8020, 34.7463, 41.0923)
contains.

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Color

**XYZ(29.8792, 34.8509,
41.2285)**

Conversions

Conversions Part 1

Format	Color
Hex	83A6A6
RGB	131, 166, 166
RGB Percent	51%, 65%, 65%
CMY	0.4863, 0.3490, 0.3490
CMYK	0.21, 0.00, 0.00, 0.35
HSL	180°, 16%, 58%
HSV	180°, 21%, 65%
XYZ	29.8792, 34.8509, 41.2285
YIQ	155.5350, -20.8600, -7.4200

Conversions

Conversions Part 2

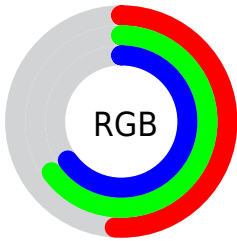
Format	Color
RYB	131, 149, 166
Decimal	8627878
CIELab	65.63, -11.89, -3.95
CIElCh	66, 12.527, 198.360
Yxy	34.8509, 0.2820, 0.3289
Android (android.graphics.Color)	4286817958 (0xFF83A6A6)
YUV	155.5350, 5.1592, -21.5172
Hunter-Lab	59.0347, -12.9665, -0.0826

Details

The XYZ color **29.8792, 34.8509, 41.2285** is a light color, and the websafe version is hex **669999**. A complement of this color would be **27.9401, 25.9792, 25.0160**, and the grayscale version is **31.3781, 33.0122, 35.9503**.

A 20% lighter version of the original color is **58.9152, 67.2476, 78.2815**, and **12.4479, 14.9989, 18.1586** is the 20% darker color. If you saturate the color by 10%, you get **27.5115, 33.6312, 41.1179**, and if you desaturate by 10%, it is **32.6608, 36.2858, 41.3599**.

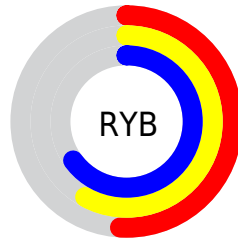
Distribution



Red (51%)

Green (65%)

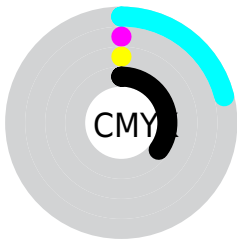
Blue (65%)



Red (51%)

Yellow (58%)

Blue (65%)

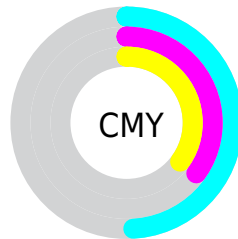


Cyan (21%)

Magenta (0%)

Yellow (0%)

Black (35%)



Cyan (49%)

Magenta (35%)

Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.8792, 34.8509, 41.2285 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 29.8792, 34.8509, 41.2285 by changing the saturation by 10% instead.

■ 29.8792, 34.8509,
41.2285

■ 29.8792, 34.8509,
41.2285

293.2609,
323.9097, 366.9796

■ 19.8945, 23.5480,
28.1766

■ 58.8590, 67.2547,
78.2881

■ 12.4262, 14.9987,
18.2186

■ 78.5849, 89.1245,
103.1329

■ 7.1089, 8.8185,
10.9360

■ 102.2885,
115.2853, 132.7457

■ 3.5772, 4.6230,
5.9102

130.3353,
146.1217, 167.5451

■ 1.4659, 2.0278,
2.7226

163.0906,
182.0179, 207.9497

■ 0.3024, 0.6235,
0.9548

200.9197,

■ 0.0000, 0.0000,

223.3584, 254.3779

0.0000

244.1880,
270.5275, 307.2484

■ 29.8792, 34.8509,
41.2285

■ 29.8792, 34.8509,
41.2285

■ 27.5115, 33.6312,
41.1179

■ 32.6608, 36.2858,
41.3599

■ 25.5352, 32.6124,
41.0249

■ 35.8717, 37.9410,
41.5107

■ 23.9302, 31.7850,
40.9493

■ 39.5300, 39.8269,
41.6824

■ 22.6731, 31.1370,
40.8900

■ 43.6519, 41.9519,
41.8758

■ 21.7383, 30.6551,
40.8457

■ 48.2529, 44.3237,
42.0916

■ 21.0965, 30.3242,
40.8152

■ 53.3477, 46.9502,
42.3306

■ 20.7130, 30.1265,
40.7967

■ 58.9503, 49.8384,
42.5933

■ 20.5191, 30.0266,
40.7872

■ 61.7607, 51.2872,
42.7253

■ 61.7608, 51.2872,
42.7258

Harmonies

Analogous

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



29.7791, 34.8509, 35.9390



29.8792, 34.8509, 41.2285



30.8292, 34.8509, 46.0335

Triad

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



29.8792, 34.8509, 41.2285



35.8396, 34.8509, 45.0848



33.8437, 34.8509, 28.8630

Complementary

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



29.8792, 34.8509, 41.2285



27.9401, 25.9792, 25.0160

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.



35.5315, 34.8509, 30.8672



29.8792, 34.8509, 41.2285



36.7120, 34.8509, 40.0278

Square

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



29.8792, 34.8509, 41.2285



34.2517, 34.8509, 48.3981



36.5972, 34.8509, 34.8439



32.0228, 34.8509, 29.1199

Rectangle

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



29.8792, 34.8509, 41.2285



31.8372, 34.8509, 48.1652



36.5972, 34.8509, 34.8439



34.4466, 34.8509, 29.2865

Sweetspot

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



29.8802, 34.8523, 41.2293



62.0722, 67.2950, 75.1924



27.1846, 33.7846, 26.5616



13.8103, 15.0179, 16.8229



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.



29.8802, 34.8523, 41.2293



52.2547, 62.2339, 74.7312



27.0046, 29.1008, 40.2718



7.7476, 8.5321, 9.6567



15.9109, 23.2831, 31.6271



0.3871, 0.5665, 0.7695

Inverse Universe

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



27.9401, 25.9792, 25.0160



48.1327, 43.3815, 40.2834



30.4007, 30.9006, 25.8354



7.5311, 7.5423, 7.8482



12.1947, 6.2866, 0.5710



0.2967, 0.1530, 0.0139

Previews

White Background



This preview shows how the XYZ color 29.8792, 34.8509, 41.2285 looks on a white background.

Color Contrast Check

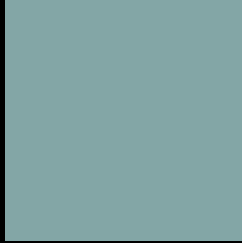
Large Text (above 18pt) WCAG AA × Fail

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 29.8792, 34.8509, 41.2285 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

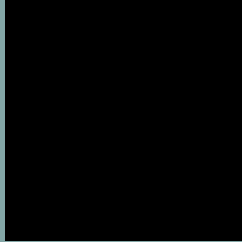
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 29.8792, 34.8509, 41.2285

Background



This preview shows how black text looks on a background with the XYZ color 29.8792, 34.8509, 41.2285.

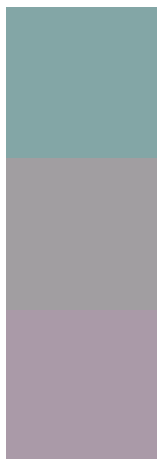


This preview shows how white text looks on a background with the XYZ color 29.8792, 34.8509,

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

29.8792, 34.8509, 41.2285

Protanopia

33.3578, 34.6040, 38.6393

Deuteranopia

35.2010, 34.4844, 41.8466



Tritanopia

30.8841, 34.7118, 46.6673

Trichromacy



Original Color

29.8792, 34.8509, 41.2285

Protanomaly

31.9334, 34.6181, 39.6492

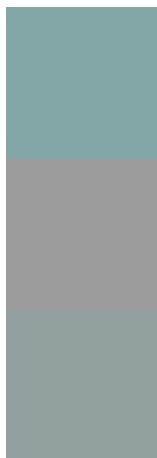
Deuteranomaly

32.9122, 34.3117, 41.4474

Tritanomaly

30.5137, 34.8329, 44.6503

Monochromacy



Original Color

29.8792, 34.8509, 41.2285

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

30.9486, 33.8827, 38.1666

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.8792, 34.8509, 41.2285 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(131, 166, 166)` looks like.

```
.text, #text, p{  
    color:rgb(131, 166, 166)  
}
```

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(131, 166, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 166, 166) }
```

Border

The CSS property to change the border of an element to XYZ 29.8792, 34.8509, 41.2285 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(131, 166, 166) }
```


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

```
.border{ border-color:rgb(131, 166, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 166, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 166, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 166, 166);  
box-shadow:4px 4px 4px 4px rgb(131, 166,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 29.8792, 34.8509, 41.2285 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 166, 166) }
```

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

```
.background{ background-color: rgb(131,  
166, 166) }
```

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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