

Converting Colors

XYZ(29.1561, 34.4285, 40.4233)

Have a look what the booklet for
XYZ(29.1561, 34.4285, 40.4233)
contains.

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Color

**XYZ(29.2391, 34.5420,
40.2482)**

Conversions

Conversions Part 1

Format	Color
Hex	80A6A4
RGB	128, 166, 164
RGB Percent	50%, 65%, 64%
CMY	0.4980, 0.3490, 0.3569
CMYK	0.23, 0.00, 0.01, 0.35
HSL	177°, 18%, 58%
HSV	177°, 23%, 65%
XYZ	29.2391, 34.5420, 40.2482
YIQ	154.4100, -22.0060, -8.6780

Conversions

Conversions Part 2

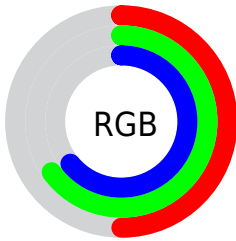
Format	Color
RYB	128, 148, 166
Decimal	8431268
CIELab	65.39, -13.29, -3.21
CIELCh	65, 13.673, 193.564
Yxy	34.5420, 0.2811, 0.3320
Android (android.graphics.Color)	4286621348 (0xFF80A6A4)
YUV	154.4100, 4.7279, -23.1616
Hunter-Lab	58.7724, -14.0486, 0.5381

Details

The XYZ color **29.2391, 34.5420, 40.2482** is a light color, and the websafe version is hex **669999**. A complement of this color would be **27.4755, 25.1579, 24.5282**, and the grayscale version is **30.8829, 32.4912, 35.3829**.

A 20% lighter version of the original color is **57.9340, 66.7725, 76.8528**, and **12.0838, 14.8242, 17.5537** is the 20% darker color. If you saturate the color by 10%, you get **26.8652, 33.3282, 39.7269**, and if you desaturate by 10%, it is **32.0241, 35.9694, 40.7931**.

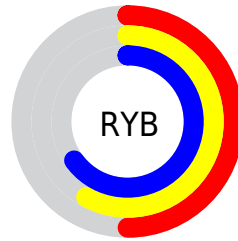
Distribution



Red (50%)

Green (65%)

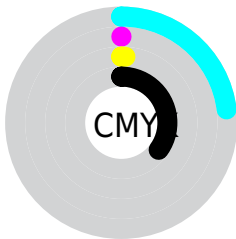
Blue (64%)



Red (50%)

Yellow (58%)

Blue (65%)

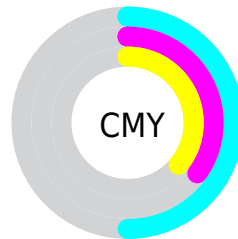


Cyan (23%)

Magenta (0%)

Yellow (1%)

Black (35%)



Cyan (50%)

Magenta (35%)

Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.2391, 34.5420, 40.2482 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 29.2391, 34.5420, 40.2482 by changing the saturation by 10% instead.

■ 29.2391, 34.5420,
40.2482

■ 29.2391, 34.5420,
40.2482

290.3153,
322.5421, 362.7517

■ 19.4070, 23.3103,
27.4169

■ 57.8517, 66.7756,
76.7825

■ 12.0705, 14.8228,
17.6513

■ 77.3628, 88.5464,
101.3226

■ 6.8642, 8.6951,
10.5331

■ 100.8311,
114.5989, 130.6027

■ 3.4229, 4.5429,
5.6436

128.6217,
145.3176, 165.0413

■ 1.3811, 1.9816,
2.5644

161.1001,
181.0868, 205.0569

■ 0.2427, 0.5968,
0.8740

198.6316,

■ 0.0000, 0.0000,

222.2911, 251.0682

0.0000

241.5815,
269.3147, 303.4936

■ 29.2391, 34.5420,
40.2482

■ 29.2391, 34.5420,
40.2482

■ 26.8652, 33.3282,
39.7269

■ 32.0241, 35.9694,
40.7931

■ 24.8795, 32.3136,
39.2258

■ 35.2356, 37.6158,
41.3600

■ 23.2615, 31.4884,
38.7448

■ 38.8921, 39.4915,
41.9506

■ 21.9877, 30.8407,
38.2827

■ 43.0099, 41.6050,
42.5657

■ 21.0317, 30.3567,
37.8383

■ 47.6046, 43.9642,
43.2059

■ 20.3634, 30.0209,
37.4101

■ 52.6910, 46.5769,
43.8720

■ 19.9468, 29.8149,
36.9965

■ 58.2833, 49.4503,
44.5647

■ 19.7446, 29.7168,
36.7087

■ 62.2274, 51.4740,
45.1831

■ 62.3111, 51.5074,
45.6237

Harmonies

Analogous

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



29.2852, 34.5420, 34.5848



29.2391, 34.5420, 40.2482



30.1274, 34.5420, 45.7071

Triad

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



29.2391, 34.5420, 40.2482



35.5483, 34.5420, 46.1521



33.9293, 34.5420, 28.0206

Complementary

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



29.2391, 34.5420, 40.2482



27.4755, 25.1579, 24.5282

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.



35.6920, 34.5420, 30.5312



29.2391, 34.5420, 40.2482



36.6523, 34.5420, 40.8074

Square

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



29.2391, 34.5420, 40.2482



33.7397, 34.5420, 49.3417



36.7059, 34.5420, 35.0904



31.9390, 34.5420, 27.9036

Rectangle

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



29.2391, 34.5420, 40.2482



31.1517, 34.5420, 48.3384



36.7059, 34.5420, 35.0904



34.5699, 34.5420, 28.6001

Sweetspot

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



29.2401, 34.5434, 40.2490



61.3797, 66.9499, 74.6198



26.8214, 33.6205, 25.4983



13.6619, 14.9443, 16.6855



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.



29.2401, 34.5434, 40.2490



50.9888, 61.6271, 72.6031



26.6180, 29.0075, 40.2742



7.7302, 8.5251, 9.5655



15.3158, 23.0451, 28.4933



0.3776, 0.5627, 0.7195

Inverse Universe

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



27.4755, 25.1579, 24.5282



47.2672, 41.8290, 39.4448



29.6674, 29.7548, 24.6021



7.5465, 7.5485, 7.9293



12.2374, 6.3037, 0.7955



0.3026, 0.1553, 0.0449

Previews

White Background



This preview shows how the XYZ color 29.2391, 34.5420, 40.2482 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 29.2391, 34.5420, 40.2482 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

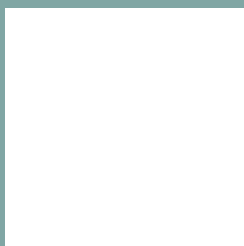
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.2391, 34.5420, 40.2482

Background



This preview shows how black text looks on a background with the XYZ color 29.2391, 34.5420, 40.2482.

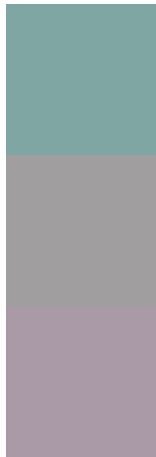


This preview shows how white text looks on a background with the XYZ color 29.2391, 34.5420,

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

29.2391, 34.5420, 40.2482

Protanopia

33.1828, 34.5340, 37.7177

Deuteranopia

35.1082, 34.4473, 41.3578



Tritanopia

30.5713, 34.5505, 46.6526

Trichromacy



Original Color

29.2391, 34.5420, 40.2482

Protanomaly

31.5723, 34.4525, 38.7042

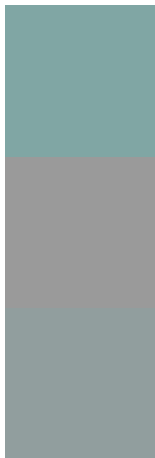
Deuteranomaly

32.6274, 34.1755, 40.9533

Tritanomaly

30.1074, 34.6347, 44.1280

Monochromacy



Original Color

29.2391, 34.5420, 40.2482

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

30.0755, 32.9421, 37.1211

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.2391, 34.5420, 40.2482 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(128, 166, 164)` looks like.

```
.text, #text, p{  
    color:rgb(128, 166, 164)  
}
```

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(128, 166, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 166, 164) }
```

Border

The CSS property to change the border of an element to XYZ 29.2391, 34.5420, 40.2482 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(128, 166, 164) }
```


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

```
.border{ border-color:rgb(128, 166, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 166, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 166, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 166, 164);  
box-shadow:4px 4px 4px 4px rgb(128, 166,  
164) }
```

Background

The CSS property to change the background color of an element to XYZ 29.2391, 34.5420, 40.2482 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 166, 164) }
```

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

```
.background{ background-color: rgb(128,  
166, 164) }
```

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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