

Converting Colors

XYZ(28.9170, 35.7117, 40.4267)

Have a look what the booklet for
XYZ(28.9170, 35.7117, 40.4267)
contains.

XYZ(29.0095, 35.7992, 40.5029)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(29.0095, 35.7992,
40.5029)**

Conversions

Conversions Part 1

Format	Color
Hex	78ABA4
RGB	120, 171, 164
RGB Percent	47%, 67%, 64%
CMY	0.5294, 0.3294, 0.3569
CMYK	0.30, 0.00, 0.04, 0.33
HSL	172°, 23%, 57%
HSV	172°, 30%, 67%
XYZ	29.0095, 35.7992, 40.5029
YIQ	154.9530, -28.1490, -12.9890

Conversions

Conversions Part 2

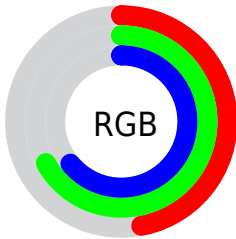
Format	Color
RYB	120, 147, 171
Decimal	7908260
CIELab	66.37, -18.38, -1.83
CIELCh	66, 18.474, 185.675
Yxy	35.7992, 0.2755, 0.3399
Android (android.graphics.Color)	4286098340 (0xFF78ABA4)
YUV	154.9530, 4.4602, -30.6538
Hunter-Lab	59.8324, -18.1618, 1.7470

Details

The XYZ color **29.0095, 35.7992, 40.5029** is a light color, and the websafe version is hex **669999**. A complement of this color would be **27.3431, 23.6242, 23.1990**, and the grayscale version is **31.1256, 32.7465, 35.6610**.

A 20% lighter version of the original color is **57.4381, 68.5059, 77.2135**, and **11.9757, 15.6287, 17.7147** is the 20% darker color. If you saturate the color by 10%, you get **26.6366, 34.6011, 39.2959**, and if you desaturate by 10%, it is **31.8119, 37.2201, 41.7520**.

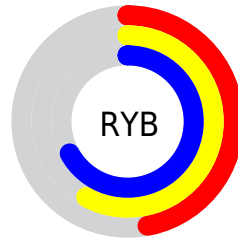
Distribution



Red (47%)

Green (67%)

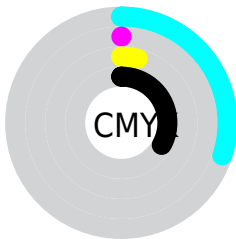
Blue (64%)



Red (47%)

Yellow (58%)

Blue (67%)

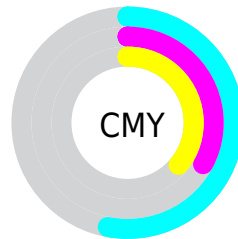


Cyan (30%)

Magenta (0%)

Yellow (4%)

Black (33%)



Cyan (53%)

Magenta (33%)

Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.0095, 35.7992, 40.5029 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 29.0095, 35.7992, 40.5029 by changing the saturation by 10% instead.

■ 29.0095, 35.7992,
40.5029

■ 29.0095, 35.7992,
40.5029

289.2532,
328.0820, 363.8536

■ 19.2323, 24.2792,
27.6141

■ 57.4896, 68.7220,
77.1742

■ 11.9433, 15.5408,
17.7985

■ 76.9233, 90.8936,
101.7937

■ 6.7770, 9.1998,
10.6374

■ 100.3065,
117.3845, 131.1605

■ 3.3681, 4.8717,
5.7125

128.0046,
148.5790, 165.6933

■ 1.3513, 2.1722,
2.6051

160.3830,
184.8617, 205.8104

■ 0.2211, 0.7048,
0.8951

197.8070,

■ 0.0000, 0.0000,

226.6168, 251.9305

0.0000

240.6419,
274.2288, 304.4720

■ 29.0095, 35.7992,
40.5029

■ 29.0095, 35.7992,
40.5029

■ 26.6366, 34.6011,
39.2959

■ 31.8119, 37.2201,
41.7520

■ 24.6676, 33.6099,
38.1274

■ 35.0616, 38.8702,
43.0417

■ 23.0788, 32.8142,
36.9969

■ 38.7792, 40.7610,
44.3741

■ 21.8429, 32.2000,
35.9030

■ 42.9830, 42.9021,
45.7499

■ 20.9289, 31.7513,
34.8441

■ 47.6904, 45.3023,
47.1701

■ 20.3001, 31.4492,
33.8185

■ 52.9179, 47.9701,
48.6357

■ 19.8783, 31.2534,
32.8224

■ 58.6812, 50.9137,
50.1474

■ 19.8713, 31.2502,
32.8051

■ 64.3282, 53.7969,
51.6749

■ 64.5743, 53.8953,
52.9708

Harmonies

Analogous

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



29.4119, 35.7992, 33.0430



29.0095, 35.7992, 40.5029



29.8911, 35.7992, 48.5406

Triad

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



29.0095, 35.7992, 40.5029



37.2186, 35.7992, 52.6883



36.2612, 35.7992, 26.6960

Complementary

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



29.0095, 35.7992, 40.5029



27.3431, 23.6242, 23.1990

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.



38.5258, 35.7992, 30.7639



29.0095, 35.7992, 40.5029



39.0992, 35.7992, 45.5870

Square

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



29.0095, 35.7992, 40.5029



34.5540, 35.7992, 56.1606



39.5900, 35.7992, 37.4943



33.5035, 35.7992, 25.7168

Rectangle

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



29.0095, 35.7992, 40.5029



31.1180, 35.7992, 52.9400



39.5900, 35.7992, 37.4943



37.1099, 35.7992, 27.7178

Sweetspot

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



29.0105, 35.8006, 40.5037



63.2076, 69.8234, 77.2388



26.8037, 35.0454, 23.1218



13.8982, 15.4706, 17.1502



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



29.0105, 35.8006, 40.5037



48.9775, 62.6097, 71.0559



26.5133, 29.7662, 42.8777



8.1883, 9.0529, 10.0167



14.9938, 23.5628, 24.8046



0.4299, 0.6606, 0.7573

Inverse Universe

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



27.3431, 23.6242, 23.1990



45.4945, 37.1454, 34.8869



29.2530, 28.1491, 21.6616



8.0484, 8.0326, 8.5655



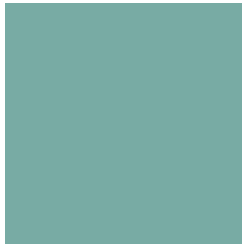
12.7928, 6.5797, 1.2886



0.3695, 0.1885, 0.1074

Previews

White Background



This preview shows how the XYZ color 29.0095, 35.7992, 40.5029 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 29.0095, 35.7992, 40.5029 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

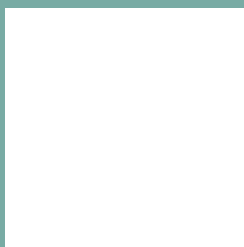
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.0095, 35.7992, 40.5029

Background



This preview shows how black text looks on a background with the XYZ color 29.0095, 35.7992, 40.5029.

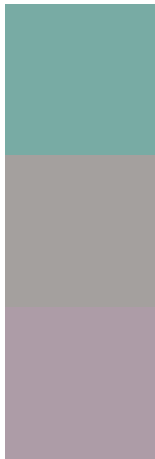


This preview shows how white text looks on a background with the XYZ color 29.0095, 35.7992,

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

29.0095, 35.7992, 40.5029

Protanopia

34.0522, 35.5027, 37.4057

Deuteranopia

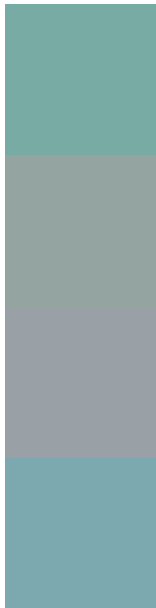
36.0971, 35.4512, 41.4995



Tritanopia

30.7583, 35.6677, 49.5194

Trichromacy



Original Color

29.0095, 35.7992, 40.5029

Protanomaly

31.8334, 35.3849, 38.4099

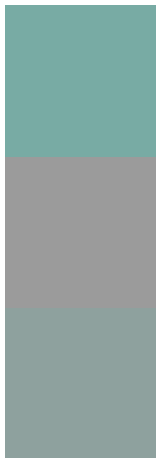
Deuteranomaly

32.9542, 35.1129, 41.1170

Tritanomaly

30.0942, 35.6820, 45.8586

Monochromacy



Original Color

29.0095, 35.7992, 40.5029

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

30.0718, 33.7091, 37.2693

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.0095, 35.7992, 40.5029 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(120, 171, 164)` looks like.

```
.text, #text, p{  
    color:rgb(120, 171, 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(120, 171, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 171, 164) }
```

Border

The CSS property to change the border of an element to XYZ 29.0095, 35.7992, 40.5029 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(120, 171, 164) }
```


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

```
.border{ border-color:rgb(120, 171, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 171, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(120, 171, 164); -webkit-box-shadow:4px 4px 4px 4px rgb(120, 171, 164); box-shadow:4px 4px 4px 4px rgb(120, 171, 164) }
```

Background

The CSS property to change the background color of an element to XYZ 29.0095, 35.7992, 40.5029 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 171, 164) }
```

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

```
.background{ background-color: rgb(120,  
171, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor