

Converting Colors

XYZ(29.2274, 40.2293, 52.9033)

Have a look what the booklet for
XYZ(29.2274, 40.2293, 52.9033)
contains.

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Color

**XYZ(29.0943, 40.0407,
52.6496)**

Conversions

Conversions Part 1

Format	Color
Hex	48BABA
RGB	72, 186, 186
RGB Percent	28%, 73%, 73%
CMY	0.7176, 0.2706, 0.2706
CMYK	0.61, 0.00, 0.00, 0.27
HSL	180°, 45%, 51%
HSV	180°, 61%, 73%
XYZ	29.0943, 40.0407, 52.6496
YIQ	151.9140, -67.9440, -24.1680

Conversions

Conversions Part 2

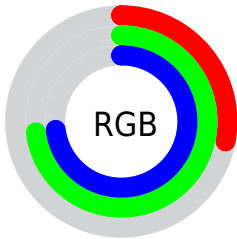
Format	Color
RYB	72, 129, 186
Decimal	4766394
CIELab	69.50, -31.56, -9.57
CIELCh	69, 32.975, 196.867
Yxy	40.0407, 0.2389, 0.3288
Android (android.graphics.Color)	4282956474 (0xFF48BABA)
YUV	151.9140, 16.8044, -70.0846
Hunter-Lab	63.2777, -28.6640, -5.0373

Details

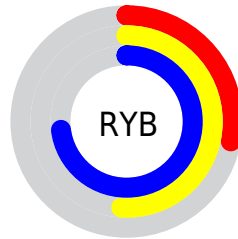
The XYZ color **29.0943, 40.0407, 52.6496** is a dark color, and the websafe version is hex **66CCCC**. A complement of this color would be **23.7381, 15.5429, 7.8811**, and the grayscale version is **29.7600, 31.3098, 34.0964**.

A 20% lighter version of the original color is **57.7505, 75.4985, 95.5333**, and **12.4849, 18.1960, 25.0445** is the 20% darker color. If you saturate the color by 10%, you get **27.9122, 39.4322, 52.5950**, and if you desaturate by 10%, it is **30.6983, 40.8685, 52.7257**.

Distribution



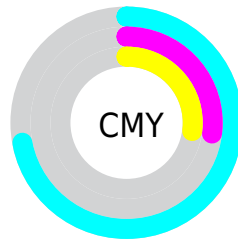
- Red (28%)
- Green (73%)
- Blue (73%)



- Red (28%)
- Yellow (51%)
- Blue (73%)



- Cyan (61%)
- Magenta (0%)
- Yellow (0%)
- Black (27%)



- Cyan (72%)
- Magenta (27%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.0943, 40.0407, 52.6496 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 29.0943, 40.0407, 52.6496 by changing the saturation by 10% instead.

■ 29.0943, 40.0407,
52.6496

■ 29.0943, 40.0407,
52.6496

289.6458,
346.2951, 413.9674

■ 19.2968, 27.5703,
37.1373

■ 57.6234, 75.2255,
95.5249

■ 11.9902, 18.0020,
25.0172

■ 77.0857, 98.7086,
123.7249

■ 6.8092, 10.9514,
15.8707

■ 100.5004,
126.6315, 156.9914

■ 3.3883, 6.0342,
9.2794

■ 128.2327,
159.3784, 195.7426

■ 1.3623, 2.8659,
4.8246

160.6480,
197.3339, 240.3974

■ 0.2291, 1.0621,
2.0878

198.1118,

■ 0.0000, 0.0000,

240.8822, 291.3740

0.6085

240.9892,
290.4078, 349.0912

■ 0.0000, 0.0000,
0.0000

■ 29.0943, 40.0407,
52.6496

■ 29.0943, 40.0407,
52.6496

■ 27.9122, 39.4322,
52.5950

■ 30.6983, 40.8685,
52.7257

■ 27.1091, 39.0182,
52.5573

■ 32.7547, 41.9286,
52.8221

■ 26.6397, 38.7762,
52.5352

■ 35.2957, 43.2385,
52.9412

■ 26.4225, 38.6642,
52.5249

■ 38.3492, 44.8127,
53.0842

■ 41.9413, 46.6644,
53.2525

■ 46.0960, 48.8063,
53.4470

■ 50.8361, 51.2499,
53.6690

■ 56.1832, 54.0064,
53.9194

■ 62.1575, 57.0863,
54.1992

Harmonies

Analogous

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



28.9505, 40.0407, 37.2820



29.0943, 40.0407, 52.6496



31.4915, 40.0407, 68.6240

Triad

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



29.0943, 40.0407, 52.6496



46.0102, 40.0407, 66.8160



40.4262, 40.0407, 20.8613

Complementary

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



29.0943, 40.0407, 52.6496



23.7381, 15.5429, 7.8811

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.



45.4780, 40.0407, 25.5420



29.0943, 40.0407, 52.6496



48.8983, 40.0407, 50.5888

Square

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



29.0943, 40.0407, 52.6496



41.0993, 40.0407, 78.0180



48.6950, 40.0407, 35.6474



35.1696, 40.0407, 21.1646

Rectangle

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



29.0943, 40.0407, 52.6496



34.1834, 40.0407, 76.4168



48.6950, 40.0407, 35.6474



42.2137, 40.0407, 21.8475

Sweetspot

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



29.0955, 40.0422, 52.6506



71.3502, 82.1726, 96.3013



21.5462, 37.0391, 12.1455



15.3149, 17.8908, 21.1885



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.



29.0955, 40.0422, 52.6506



49.9397, 71.1351, 95.2977



19.6396, 21.1301, 49.4994



9.2667, 10.2107, 11.5619



17.7756, 26.0112, 35.3359



0.6266, 0.9170, 1.2457

Inverse Universe

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



23.7381, 15.5429, 7.8811



39.3774, 22.8336, 7.0327



29.0232, 26.1131, 9.6425



9.0046, 9.0122, 9.3719



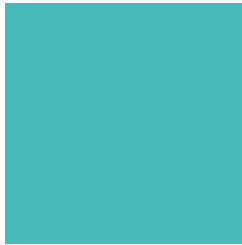
13.6234, 7.0231, 0.6376



0.4803, 0.2476, 0.0225

Previews

White Background



This preview shows how the XYZ color 29.0943, 40.0407, 52.6496 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 29.0943, 40.0407, 52.6496 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

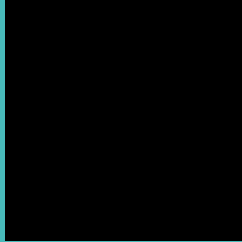
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

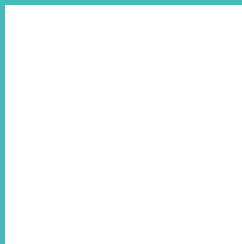
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.0943, 40.0407, 52.6496

Background



This preview shows how black text looks on a background with the XYZ color 29.0943, 40.0407, 52.6496.

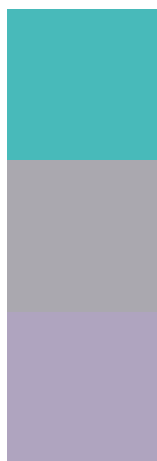


This preview shows how white text looks on a background with the XYZ color 29.0943, 40.0407,

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

29.0943, 40.0407, 52.6496

Protanopia

38.3181, 39.6465, 46.1904

Deuteranopia

40.3586, 39.4265, 54.7732



Tritanopia

30.5912, 40.0242, 60.1459

Trichromacy



Original Color

29.0943, 40.0407, 52.6496



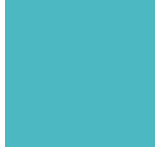
Protanomaly

33.2982, 38.9830, 48.4173



Deuteranomaly

34.4191, 38.5824, 53.7772



Tritanomaly

30.0671, 40.1295, 57.2000

Monochromacy



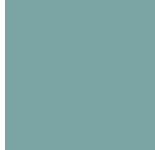
Original Color

29.0943, 40.0407, 52.6496



Achromatopsia

29.8446, 31.3989, 34.1934



Achromatomaly

28.1447, 33.4422, 40.0936

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.0943, 40.0407, 52.6496 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(72, 186, 186)` looks like.

```
.text, #text, p{  
    color:rgb(72, 186, 186)  
}
```

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(72, 186, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 186, 186) }
```

Border

The CSS property to change the border of an element to XYZ 29.0943, 40.0407, 52.6496 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(72, 186, 186) }
```


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

```
.border{ border-color:rgb(72, 186, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 186, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 186, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 186, 186);  
box-shadow:4px 4px 4px 4px rgb(72, 186,  
186) }
```

Background

The CSS property to change the background color of an element to XYZ 29.0943, 40.0407, 52.6496 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 186, 186) }
```

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

```
.background{ background-color: rgb(72, 186,  
186) }
```

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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