

Converting Colors

XYZ(40.3120, 59.9047, 64.2518)

Have a look what the booklet for
XYZ(40.3120, 59.9047, 64.2518)
contains.

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Color

**XYZ(40.2942, 59.9406,
64.0895)**

Conversions

Conversions Part 1

Format	Color
Hex	48E2C8
RGB	72, 226, 200
RGB Percent	28%, 89%, 78%
CMY	0.7176, 0.1137, 0.2157
CMYK	0.68, 0.00, 0.12, 0.11
HSL	170°, 73%, 58%
HSV	170°, 68%, 89%
XYZ	40.2942, 59.9406, 64.0895
YIQ	176.9900, -83.4380, -40.7340

Conversions

Conversions Part 2

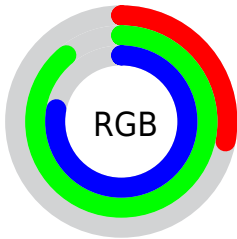
Format	Color
RYB	72, 156, 226
Decimal	4776648
CIELab	81.81, -45.97, 1.02
CIELCh	82, 45.978, 178.730
Yxy	59.9406, 0.2452, 0.3648
Android (android.graphics.Color)	4282966728 (0xFF48E2C8)
YUV	176.9900, 11.3439, -92.0762
Hunter-Lab	77.4213, -42.5863, 5.1146

Details

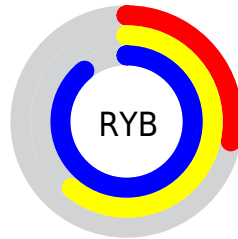
The XYZ color **40.2942, 59.9406, 64.0895** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light muted cyan. A complement of this color would be **35.8881, 21.6871, 13.8521**, and the grayscale version is **41.7603, 43.9351, 47.8453**.

A 20% lighter version of the original color is **64.4575, 84.2290, 107.4683**, and **19.5630, 30.8248, 32.1128** is the 20% darker color. If you saturate the color by 10%, you get **38.4687, 59.0518, 61.7060**, and if you desaturate by 10%, it is **42.7532, 61.1575, 66.5634**.

Distribution



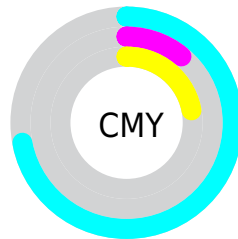
- Red (28%)
- Green (89%)
- Blue (78%)



- Red (28%)
- Yellow (61%)
- Blue (89%)



- Cyan (68%)
- Magenta (0%)
- Yellow (12%)
- Black (11%)



- Cyan (72%)
- Magenta (11%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.2942, 59.9406, 64.0895 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 40.2942, 59.9406, 64.0895 by changing the saturation by 10% instead.

40.2942, 59.9406,
64.0895

40.2942, 59.9406,
64.0895

338.4752,
424.3788, 457.7291

27.9532, 43.3708,
46.2765

74.8928, 104.7435,
112.3405

18.4307, 30.1761,
32.1138

97.8811, 133.7453,
143.6157

11.3612, 19.9723,
21.1829

125.1493,
167.6600, 180.2153

6.3794, 12.3749,
13.0652

157.0627,
206.8718, 222.5578

3.1200, 6.9996,
7.3422

193.9866,
251.7652, 271.0620

1.2175, 3.4618,
3.5954

236.2864,

0.1201, 1.3773,

302.7246, 326.1462

1.4061

284.3275,
360.1343, 388.2291

■ 0.0000, 0.1999,
0.1465

■ 0.0000, 0.0000,
0.0000

■ 40.2942, 59.9406,
64.0895

■ 40.2942, 59.9406,
64.0895

■ 38.4687, 59.0518,
61.7060

■ 42.7532, 61.1575,
66.5634

■ 37.1997, 58.4473,
59.4050


■ 45.9016, 62.7271,
69.1268

■ 36.3869, 58.0766,
57.1825


■ 49.7947, 64.6793,
71.7839


■ 36.2576, 58.0188,
56.7762


■ 54.4808, 67.0390,
74.5376

 60.0041, 69.8289,
77.3901

 66.4057, 73.0703,
80.3439

 73.7236, 76.7827,
83.4011

 81.9938, 80.9848,
86.5638

 83.3384, 81.6151,
89.4636

Harmonies

Analogous

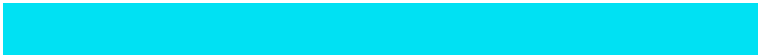
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



42.4784, 59.9406, 41.2919



40.2942, 59.9406, 64.0895



42.1397, 59.9406, 94.4364

Triad

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



40.2942, 59.9406, 64.0895



66.4098, 59.9406, 124.1612



67.2053, 59.9406, 29.4435

Complementary

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



40.2942, 59.9406, 64.0895



35.8881, 21.6871, 13.8521

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.



74.9302, 59.9406, 42.8202



40.2942, 59.9406, 64.0895



74.4355, 59.9406, 97.0815

Square

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



40.2942, 59.9406, 64.0895



56.5598, 59.9406, 134.5062



77.7131, 59.9406, 66.4550



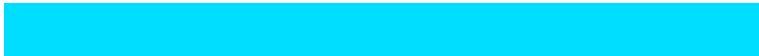
57.3857, 59.9406, 25.1204

Rectangle

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



40.2942, 59.9406, 64.0895



45.5399, 59.9406, 114.1738



77.7131, 59.9406, 66.4550



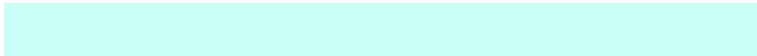
70.1725, 59.9406, 32.8018

Sweetspot

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



40.2959, 59.9429, 64.0909



77.3561, 91.0351, 100.9964



33.6494, 57.5857, 15.4738



16.1068, 19.2575, 21.3890



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



40.2959, 59.9429, 64.0909



49.7600, 77.2496, 79.7858



32.1702, 38.4077, 77.6720



14.0120, 15.5305, 17.0984



20.7226, 33.1139, 32.5920



1.4631, 2.3059, 2.3996

Inverse Universe

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



35.8881, 21.6871, 13.8521



43.7060, 23.8034, 10.1161



39.3449, 30.2569, 9.8986



13.8012, 13.7381, 14.7233



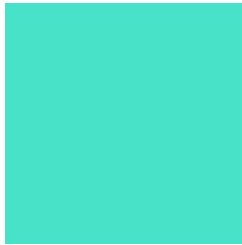
18.1238, 9.3165, 2.0519



1.2851, 0.6573, 0.2941

Previews

White Background



This preview shows how the XYZ color 40.2942, 59.9406, 64.0895 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 40.2942, 59.9406, 64.0895 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

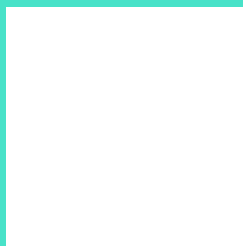
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.2942, 59.9406, 64.0895

Background



This preview shows how black text looks on a background with the XYZ color 40.2942, 59.9406, 64.0895.

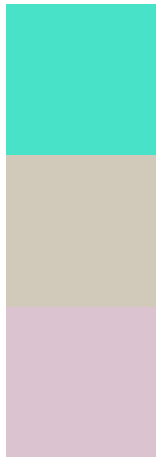


This preview shows how white text looks on a background with the XYZ color 40.2942, 59.9406,

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

40.2942, 59.9406, 64.0895

Protanopia

56.0441, 58.8738, 54.8643

Deuteranopia

59.9910, 58.5953, 67.1796



Tritanopia

45.2423, 59.5331, 89.9954

Trichromacy



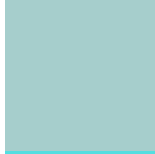
Original Color

40.2942, 59.9406, 64.0895



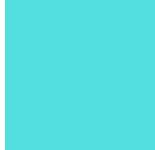
Protanomaly

46.7486, 57.2257, 57.8720



Deuteranomaly

48.6963, 56.6092, 65.4868



Tritanomaly

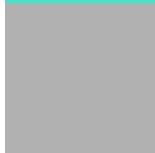
43.1431, 59.4634, 79.7247

Monochromacy



Original Color

40.2942, 59.9406, 64.0895



Achromatopsia

41.7894, 43.9657, 47.8787



Achromatomaly

38.9195, 48.0220, 53.1168

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.2942, 59.9406, 64.0895 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, 226, 200)` looks like.

```
.text, #text, p{  
    color:rgb(72, 226, 200)  
}
```

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, 226, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 226, 200) }
```

Border

The CSS property to change the border of an element to XYZ 40.2942, 59.9406, 64.0895 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, 226, 200) }
```


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

```
.border{ border-color:rgb(72, 226, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 226, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(72, 226, 200); -webkit-box-shadow:4px 4px 4px 4px rgb(72, 226, 200); box-shadow:4px 4px 4px 4px rgb(72, 226, 200) }
```

Background

The CSS property to change the background color of an element to XYZ 40.2942, 59.9406, 64.0895 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 226, 200) }
```

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

```
.background{ background-color: rgb(72, 226,  
200) }
```

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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