

Converting Colors

XYZ(29.0689, 42.4565, 56.8035)

Have a look what the booklet for
XYZ(29.0689, 42.4565, 56.8035)
contains.

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Color

**XYZ(29.0557, 42.5179,
56.5446)**

Conversions

Conversions Part 1

Format	Color
Hex	12C2C0
RGB	18, 194, 192
RGB Percent	7%, 76%, 75%
CMY	0.9293, 0.2392, 0.2471
CMYK	0.91, 0.00, 0.01, 0.24
HSL	179°, 83%, 42%
HSV	179°, 91%, 76%
XYZ	29.0557, 42.5179, 56.5446
YIQ	141.1480, -104.2540, -37.9340

Conversions

Conversions Part 2

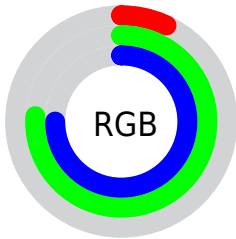
Format	Color
RYB	18, 107, 194
Decimal	1229504
CIELab	71.23, -39.15, -10.37
CIELCh	71, 40.503, 194.831
Yxy	42.5179, 0.2268, 0.3319
Android (android.graphics.Color)	4279419584 (0xFF12C2C0)
YUV	141.1480, 25.0700, -108.0008
Hunter-Lab	65.2058, -34.5704, -5.7706

Details

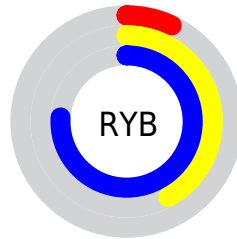
The XYZ color **29.0557, 42.5179, 56.5446** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **22.5922, 11.9539, 1.7799**, and the grayscale version is **25.3135, 26.6317, 29.0020**.

A 20% lighter version of the original color is **57.5039, 78.8975, 101.0049**, and **14.0383, 20.6202, 27.6663** is the 20% darker color. If you saturate the color by 10%, you get **28.7843, 42.3815, 56.4143**, and if you desaturate by 10%, it is **29.6099, 42.8017, 56.6992**.

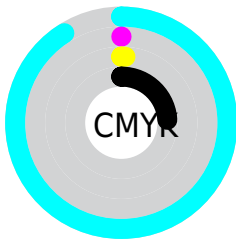
Distribution



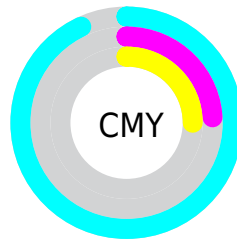
- Red (7%)
- Green (76%)
- Blue (75%)



- Red (7%)
- Yellow (42%)
- Blue (76%)



- Cyan (91%)
- Magenta (0%)
- Yellow (1%)
- Black (24%)



- Cyan (93%)
- Magenta (24%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.0557, 42.5179, 56.5446 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 29.0557, 42.5179, 56.5446 by changing the saturation by 10% instead.

■ 29.0557, 42.5179,
56.5446

■ 29.0557, 42.5179,
56.5446

289.4671,
356.6254, 429.1865

■ 19.2675, 29.5070,
40.2328

■ 57.5625, 78.9828,
101.2941

■ 11.9688, 19.4647,
27.4049

■ 77.0118, 103.2057,
130.5689

■ 6.7945, 12.0066,
17.6425

■ 100.4121,
131.9347, 165.0018

■ 3.3791, 6.7481,
10.5268

■ 128.1289,
165.5542, 205.0113

■ 1.3573, 3.3051,
5.6395

■ 160.5274,
204.4487, 251.0160

■ 0.2255, 1.2930,
2.5619

197.9731,

■ 0.0000, 0.1358,

249.0024, 303.4344

0.8727

240.8312,
299.5998, 362.6851

■ 0.0000, 0.0000,
0.0000

■ 29.0557, 42.5179,
56.5446

■ 29.0557, 42.5179,
56.5446

■ 28.7843, 42.3815,
56.4143

■ 29.6099, 42.8017,
56.6992

■ 30.5336, 43.2751,
56.8704

■ 31.8794, 43.9660,
57.0614

■ 33.6902, 44.8967,
57.2745

■ 36.0041, 46.0867,
57.5113

■ 38.8548, 47.5534,
57.7734

■ 42.2735, 49.3130,
58.0622

■ 46.2887, 51.3801,
58.3792

■ 50.9273, 53.7684,
58.7255

Harmonies

Analogous

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



29.0717, 42.5179, 37.1810



29.0557, 42.5179, 56.5446



31.8392, 42.5179, 77.9900

Triad

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



29.0557, 42.5179, 56.5446



50.3371, 42.5179, 78.2107



43.9267, 42.5179, 18.7644

Complementary

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



29.0557, 42.5179, 56.5446



22.5922, 11.9539, 1.7799

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.



50.4000, 42.5179, 24.6141



29.0557, 42.5179, 56.5446



54.3736, 42.5179, 56.7880

Square

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



29.0557, 42.5179, 56.5446



43.8482, 42.5179, 92.6839



54.3979, 42.5179, 37.3651



37.1602, 42.5179, 18.7332

Rectangle

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



29.0557, 42.5179, 56.5446



35.1081, 42.5179, 89.0704



54.3979, 42.5179, 37.3651



46.2248, 42.5179, 20.0228

Sweetspot

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



29.0570, 42.5195, 56.5456



72.3074, 87.1375, 104.8337



19.7103, 38.7876, 7.0215



15.3897, 18.8533, 22.9189



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.



29.0570, 42.5195, 56.5456



52.1413, 76.7795, 102.1686



15.4511, 14.9505, 53.1119



10.3635, 11.4264, 12.9173



18.9264, 27.8646, 37.1013



0.8194, 1.2046, 1.6116

Inverse Universe

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



22.5922, 11.9539, 1.7799



40.3238, 20.7859, 1.9692



27.2168, 21.2306, 3.2370



10.0778, 10.0797, 10.5000



14.6375, 7.5448, 0.7373



0.6341, 0.3266, 0.0405

Previews

White Background



This preview shows how the XYZ color 29.0557, 42.5179, 56.5446 looks on a white background.

Color Contrast Check

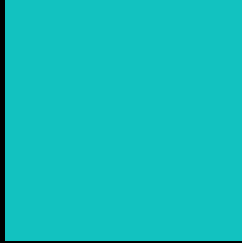
Large Text (above 18pt) WCAG AA × Fail

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 29.0557, 42.5179, 56.5446 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

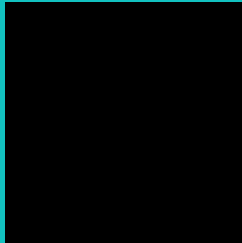
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

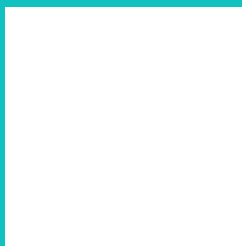
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.0557, 42.5179, 56.5446

Background



This preview shows how black text looks on a background with the XYZ color 29.0557, 42.5179, 56.5446.

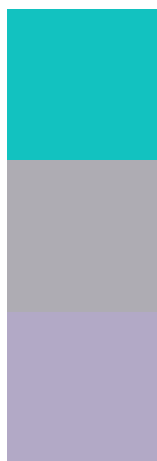


This preview shows how white text looks on a background with the XYZ color 29.0557, 42.5179,

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

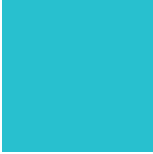
29.0557, 42.5179, 56.5446

Protanopia

40.3448, 41.7584, 48.5816

Deuteranopia

42.7411, 41.9181, 59.2644



Tritanopia

30.9872, 42.6554, 65.6316

Trichromacy



Original Color

29.0557, 42.5179, 56.5446



Protanomaly

32.3091, 39.8851, 51.3431



Deuteranomaly

33.6299, 39.8194, 58.1380



Tritanomaly

30.3263, 42.7113, 62.5229

Monochromacy



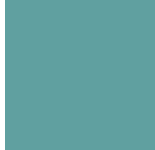
Original Color

29.0557, 42.5179, 56.5446



Achromatopsia

25.3171, 26.6356, 29.0061



Achromatomaly

23.7398, 30.1665, 37.8292

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.0557, 42.5179, 56.5446 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(18, 194, 192)` looks like.

```
.text, #text, p{  
    color:rgb(18, 194, 192)  
}
```

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(18, 194, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(18, 194, 192) }
```

Border

The CSS property to change the border of an element to XYZ 29.0557, 42.5179, 56.5446 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(18, 194, 192) }
```


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

```
.border{ border-color:rgb(18, 194, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(18, 194, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(18, 194, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(18, 194, 192);  
box-shadow:4px 4px 4px 4px rgb(18, 194,  
192) }
```

Background

The CSS property to change the background color of an element to XYZ 29.0557, 42.5179, 56.5446 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(18, 194, 192) }
```

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

```
.background{ background-color: rgb(18, 194,  
192) }
```

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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