

Converting Colors

XYZ(16.5028, 29.9613, 54.7943)

Have a look what the booklet for
XYZ(16.5028, 29.9613, 54.7943)
contains.

XYZ(24.6505, 34.0779, 55.1476)	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(24.6505, 34.0779,
55.1476)**

Conversions

Conversions Part 1

Format	Color
Hex	00AEC0
RGB	0, 174, 192
RGB Percent	0%, 68%, 75%
CMY	0.9998, 0.3176, 0.2471
CMYK	1.00, 0.09, 0.00, 0.25
HSL	186°, 100%, 38%
HSV	186°, 100%, 75%
XYZ	24.6505, 34.0779, 55.1476
YIQ	124.0260, -109.4820, -31.2900

Conversions

Conversions Part 2

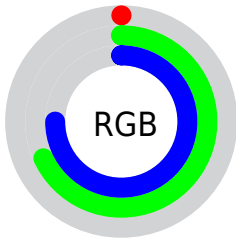
Format	Color
RYB	0, 91, 192
Decimal	44736
CIELab	65.02, -30.38, -19.73
CIELCh	65, 36.226, 212.993
Yxy	34.0779, 0.2165, 0.2993
Android (android.graphics.Color)	4278234816 (0xFF00AEC0)
YUV	124.0260, 33.5112, -108.7708
Hunter-Lab	58.3763, -26.7835, -15.1474

Details

The XYZ color **24.6505, 34.0779, 55.1476** is a dark color, and the websafe version is hex **009999**. The color can be described as dark washed azure. A complement of this color would be **21.9557, 11.6406, 1.0909**, and the grayscale version is **19.0894, 20.0835, 21.8710**.

A 20% lighter version of the original color is **50.4956, 66.0803, 98.9003**, and **11.4976, 15.5388, 26.8194** is the 20% darker color. If you saturate the color by 10%, you get **24.6503, 34.0773, 55.1482**, and if you desaturate by 10%, it is **25.2745, 34.9201, 55.2779**.

Distribution



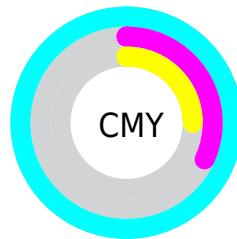
- Red (0%)
- Green (68%)
- Blue (75%)



- Red (0%)
- Yellow (36%)
- Blue (75%)



- Cyan (100%)
- Magenta (9%)
- Yellow (0%)
- Black (25%)



- Cyan (100%)
- Magenta (32%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.6505, 34.0779, 55.1476 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 24.6505, 34.0779, 55.1476 by changing the saturation by 10% instead.

■ 24.6505, 34.0779,
55.1476

■ 24.6505, 34.0779,
55.1476

268.4728,
320.4793, 423.7689

■ 15.9442, 22.9535,
39.1205

■ 50.5367, 66.0548,
99.2305

■ 9.5753, 14.5591,
26.5449

■ 68.4472, 87.6760,
128.1234

■ 5.1784, 8.5106,
17.0023

■ 90.1566, 113.5650,
162.1420

■ 2.3881, 4.4234,
10.0742

■ 116.0301,
144.1060, 201.7047

■ 0.8392, 1.9131,
5.3419

■ 146.4331,
179.6836, 247.2303

■ 0.0000, 0.5562,
2.3870

181.7310,

■ 0.0000, 0.0000,

220.6821, 299.1371

0.7794

222.2891,
267.4858, 357.8438

■ 0.0000, 0.0000,
0.0000

■ 24.6505, 34.0779,
55.1476

■ 24.6505, 34.0779,
55.1476

■ 24.6503, 34.0773,
55.1482

■ 25.2745, 34.9201,
55.2779

■ 26.1718, 35.9093,
55.4216

■ 27.4398, 37.0967,
55.5839

■ 29.1277, 38.5076,
55.7673

■ 31.2771, 40.1634,
55.9736

■ 33.9247, 42.0831,
56.2046

■ 37.1032, 44.2835,
56.4618

■ 40.8428, 46.7803,
56.7466

■ 45.1712, 49.5878,
57.0604

Harmonies

Analogous

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



23.3313, 34.0779, 38.6329



24.6505, 34.0779, 55.1476



28.0254, 34.0779, 69.2224

Triad

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



24.6505, 34.0779, 55.1476



42.2254, 34.0779, 51.8169



31.8666, 34.0779, 15.0993

Complementary

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



24.6505, 34.0779, 55.1476



21.9557, 11.6406, 1.0909

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.



37.1858, 34.0779, 16.8713



24.6505, 34.0779, 55.1476



43.5339, 34.0779, 35.6180

Square

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



24.6505, 34.0779, 55.1476



38.1943, 34.0779, 66.9631



41.6005, 34.0779, 23.5016



27.2057, 34.0779, 17.7784

Rectangle

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



24.6505, 34.0779, 55.1476



31.1760, 34.0779, 73.7616



41.6005, 34.0779, 23.5016



33.6351, 34.0779, 15.1962

Sweetspot

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



24.6516, 34.0791, 55.1484



66.9150, 80.0255, 102.2800



18.9442, 37.7375, 6.7773



13.8089, 16.7933, 21.8989



92.9021, 97.7402, 106.4391



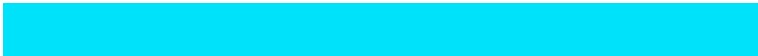
19.4759, 20.4902, 22.3138

Same Dimension

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



24.6516, 34.0791, 55.1484



44.5636, 61.5438, 99.8907



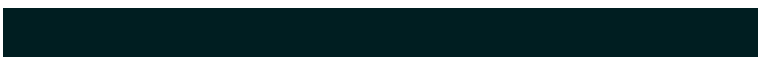
12.3855, 9.5470, 51.0598



10.2852, 11.2617, 12.9165



16.6175, 22.9915, 37.1186



0.7420, 1.0413, 1.6118

Inverse Universe

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



29.3792, 14.2636, 41.2503



53.1804, 25.8223, 74.4705



27.5349, 22.7990, 2.9506



10.4553, 10.2307, 12.4879



19.7837, 9.6032, 27.8369



0.8669, 0.4198, 1.2664

Previews

White Background



This preview shows how the XYZ color 24.6505, 34.0779, 55.1476 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 24.6505, 34.0779, 55.1476 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

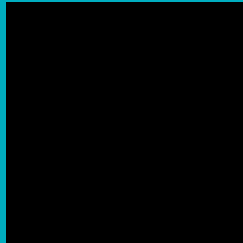
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

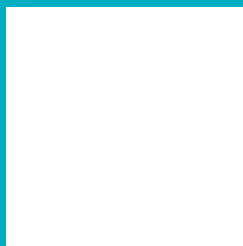
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 24.6505, 34.0779, 55.1476

Background



This preview shows how black text looks on a background with the XYZ color 24.6505, 34.0779, 55.1476.

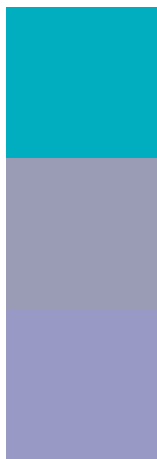


This preview shows how white text looks on a background with the XYZ color 24.6505, 34.0779,

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

24.6505, 34.0779, 55.1476

Protanopia

33.2636, 33.8445, 47.9595

Deuteranopia

34.5825, 33.8178, 57.5281



Tritanopia

24.3214, 33.9462, 53.4145

Trichromacy



Original Color

24.6505, 34.0779, 55.1476



Protanomaly

26.6787, 32.1965, 50.1558



Deuteranomaly

27.5250, 31.9713, 56.3501



Tritanomaly

24.4303, 33.9898, 53.9883

Monochromacy



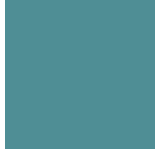
Original Color

24.6505, 34.0779, 55.1476



Achromatopsia

19.1579, 20.1556, 21.9495



Achromatomaly

18.3223, 23.1782, 31.9419

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.6505, 34.0779, 55.1476 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(0, 174, 192)` looks like.

```
.text, #text, p{  
    color:rgb(0, 174, 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(0, 174, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 174, 192) }
```

Border

The CSS property to change the border of an element to XYZ 24.6505, 34.0779, 55.1476 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(0, 174, 192) }
```


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

```
.border{ border-color:rgb(0, 174, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 174, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 174, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 174, 192);  
box-shadow:4px 4px 4px 4px rgb(0, 174,  
192) }
```

Background

The CSS property to change the background color of an element to XYZ 24.6505, 34.0779, 55.1476 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 174, 192) }
```

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

```
.background{ background-color: rgb(0, 174,  
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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