

Converting Colors

XYZ(24.2657, 35.6114, 47.7434)

Have a look what the booklet for
XYZ(24.2657, 35.6114, 47.7434)
contains.

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Color

**XYZ(24.1935, 35.4739,
47.6915)**

Conversions

Conversions Part 1

Format	Color
Hex	03B3B2
RGB	3, 179, 178
RGB Percent	1%, 70%, 70%
CMY	0.9881, 0.2980, 0.3020
CMYK	0.98, 0.00, 0.01, 0.30
HSL	180°, 97%, 36%
HSV	180°, 98%, 70%
XYZ	24.1935, 35.4739, 47.6915
YIQ	126.2620, -104.5750, -37.6230

Conversions

Conversions Part 2

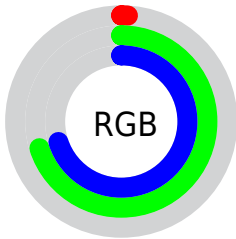
Format	Color
RYB	3, 91, 179
Decimal	242610
CIELab	66.12, -37.07, -10.31
CIELCh	66, 38.478, 195.540
Yxy	35.4739, 0.2254, 0.3304
Android (android.graphics.Color)	4278432690 (0xFF03B3B2)
YUV	126.2620, 25.5068, -108.1008
Hunter-Lab	59.5600, -31.7225, -5.7833

Details

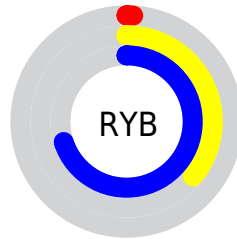
The XYZ color **24.1935, 35.4739, 47.6915** is a dark color, and the websafe version is hex **33CCCC**. A complement of this color would be **18.6460, 9.6587, 0.9973**, and the grayscale version is **19.8653, 20.8998, 22.7599**.

A 20% lighter version of the original color is **49.7052, 68.0098, 88.3494**, and **11.0353, 16.1479, 21.9373** is the 20% darker color. If you saturate the color by 10%, you get **24.1549, 35.4550, 47.6815**, and if you desaturate by 10%, it is **24.4747, 35.6184, 47.7589**.

Distribution



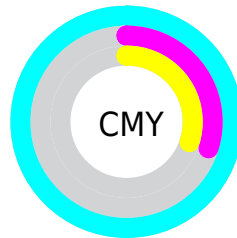
- Red (1%)
- Green (70%)
- Blue (70%)



- Red (1%)
- Yellow (36%)
- Blue (70%)



- Cyan (98%)
- Magenta (0%)
- Yellow (1%)
- Black (30%)





- Cyan (99%)
- Magenta (30%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.1935, 35.4739, 47.6915 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 24.1935, 35.4739, 47.6915 by changing the saturation by 10% instead.


 24.1935, 35.4739,
47.6915


 24.1935, 35.4739,
47.6915


266.2196,
326.6552, 394.0414


 15.6027, 24.0282,
33.2244


 49.7982, 68.2193,
88.1057


 9.3325, 15.3545,
22.0259


 67.5428, 90.2877,
114.8898


 5.0176, 9.0686,
13.6774


 89.0694, 116.6658,
146.6167

 2.2924, 4.7859,
7.7605

 114.7433,
147.7379, 183.7049

 0.7908, 2.1222,
3.8565

 144.9299,
183.8886, 226.5729

 0.0000, 0.6771,
1.5470

179.9946,

 0.0000, 0.0000,

225.5020, 275.6393

0.2525

220.3028,
272.9628, 331.3226

■ 0.0000, 0.0000,
0.0000

■ 24.1935, 35.4739,
47.6915

■ 24.1935, 35.4739,
47.6915

■ 24.1549, 35.4550,
47.6815

■ 24.4747, 35.6184,
47.7589

■ 25.0074, 35.8919,
47.8373

■ 25.8594, 36.3299,
47.9306

■ 27.0706, 36.9531,
48.0408

■ 28.6749, 37.7790,
48.1695

■ 30.7025, 38.8231,
48.3180

■ 33.1807, 40.0994,
48.4876

■ 36.1342, 41.6209,
48.6796

■ 39.5864, 43.3993,
48.8948

Harmonies

Analogous

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



24.1505, 35.4739, 31.2829



24.1935, 35.4739, 47.6915



26.5866, 35.4739, 65.7445

Triad

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



24.1935, 35.4739, 47.6915



42.1901, 35.4739, 65.1479



36.5379, 35.4739, 15.4515

Complementary

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



24.1935, 35.4739, 47.6915



18.6460, 9.6587, 0.9973

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.



42.0201, 35.4739, 20.2259



24.1935, 35.4739, 47.6915



45.5250, 35.4739, 47.0345

Square

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



24.1935, 35.4739, 47.6915



36.7495, 35.4739, 77.6042



45.4595, 35.4739, 30.7873



30.8558, 35.4739, 15.5351

Rectangle

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



24.1935, 35.4739, 47.6915



29.3657, 35.4739, 74.9674



45.4595, 35.4739, 30.7873



38.4780, 35.4739, 16.4659

Sweetspot

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



24.1946, 35.4752, 47.6924



58.8552, 71.5218, 86.7993



16.2119, 32.2864, 5.4645



12.6111, 15.6251, 19.2014



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



24.1946, 35.4752, 47.6924



43.2563, 63.4956, 85.3772



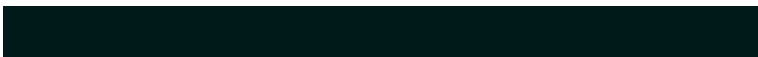
12.1731, 11.2708, 44.1831



8.7405, 9.6307, 10.8934



17.0693, 25.0537, 33.6975



0.5377, 0.7886, 1.0638

Inverse Universe

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



18.6460, 9.6587, 0.9973



33.3022, 17.1671, 1.5963



22.1042, 16.5839, 2.1230



8.4983, 8.5060, 8.8563



13.1416, 6.7742, 0.6399



0.4141, 0.2134, 0.0235

Previews

White Background



This preview shows how the XYZ color 24.1935, 35.4739, 47.6915 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 24.1935, 35.4739, 47.6915 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

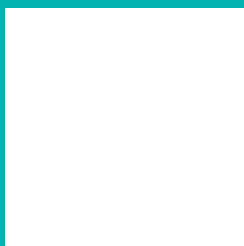
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 24.1935, 35.4739, 47.6915

Background



This preview shows how black text looks on a background with the XYZ color 24.1935, 35.4739, 47.6915.

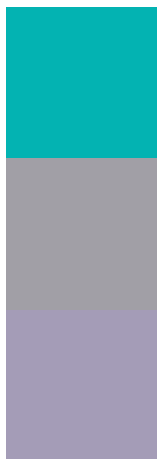


This preview shows how white text looks on a background with the XYZ color 24.1935, 35.4739,

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

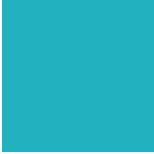
24.1935, 35.4739, 47.6915

Protanopia

33.9790, 35.1265, 41.0656

Deuteranopia

35.7456, 35.0883, 49.6885



Tritanopia

25.7533, 35.5292, 54.7907

Trichromacy



Original Color

24.1935, 35.4739, 47.6915



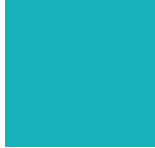
Protanomaly

26.6008, 33.1178, 43.0206



Deuteranomaly

27.4416, 32.8904, 48.6182



Tritanomaly

25.1142, 35.5565, 51.9938

Monochromacy



Original Color

24.1935, 35.4739, 47.6915



Achromatopsia

19.8309, 20.8637, 22.7206



Achromatomaly

18.6296, 24.0445, 30.4472

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.1935, 35.4739, 47.6915 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(3, 179, 178)` looks like.

```
.text, #text, p{  
    color:rgb(3, 179, 178)  
}
```

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(3, 179, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(3, 179, 178) }
```

Border

The CSS property to change the border of an element to XYZ 24.1935, 35.4739, 47.6915 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(3, 179, 178) }
```


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

```
.border{ border-color:rgb(3, 179, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(3, 179, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(3, 179, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(3, 179, 178);  
box-shadow:4px 4px 4px 4px rgb(3, 179,  
178) }
```

Background

The CSS property to change the background color of an element to XYZ 24.1935, 35.4739, 47.6915 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(3, 179, 178) }
```

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

```
.background{ background-color: rgb(3, 179,  
178) }
```

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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