

Converting Colors

XYZ(23.4590, 34.3935, 46.2375)

Have a look what the booklet for
XYZ(23.4590, 34.3935, 46.2375)
contains.

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Color

**XYZ(23.5962, 34.5982,
46.5088)**

Conversions

Conversions Part 1

Format	Color
Hex	03B1B0
RGB	3, 177, 176
RGB Percent	1%, 69%, 69%
CMY	0.9881, 0.3059, 0.3098
CMYK	0.98, 0.00, 0.01, 0.31
HSL	180°, 97%, 35%
HSV	180°, 98%, 69%
XYZ	23.5962, 34.5982, 46.5088
YIQ	124.8600, -103.3830, -37.1990

Conversions

Conversions Part 2

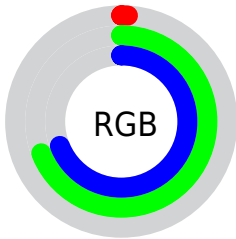
Format	Color
RYB	3, 90, 177
Decimal	242096
CIELab	65.43, -36.76, -10.22
CIELCh	65, 38.158, 195.532
Yxy	34.5982, 0.2254, 0.3304
Android (android.graphics.Color)	4278432176 (0xFF03B1B0)
YUV	124.8600, 25.2120, -106.8712
Hunter-Lab	58.8202, -31.3287, -5.7061

Details

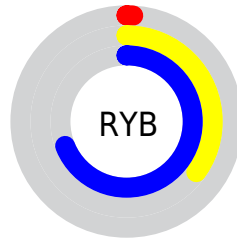
The XYZ color **23.5962, 34.5982, 46.5088** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **18.1871, 9.4222, 0.9761**, and the grayscale version is **19.3929, 20.4029, 22.2187**.

A 20% lighter version of the original color is **48.8500, 66.7567, 86.6546**, and **10.8457, 15.8705, 21.5605** is the 20% darker color. If you saturate the color by 10%, you get **23.5575, 34.5792, 46.4987**, and if you desaturate by 10%, it is **23.8730, 34.7405, 46.5752**.

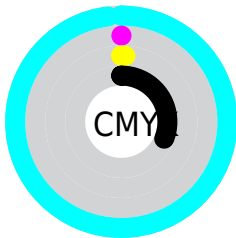
Distribution



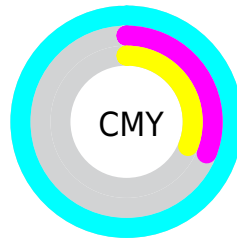
- Red (1%)
- Green (69%)
- Blue (69%)



- Red (1%)
- Yellow (35%)
- Blue (69%)



- Cyan (98%)
- Magenta (0%)
- Yellow (1%)
- Black (31%)



- Cyan (99%)
- Magenta (31%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.5962, 34.5982, 46.5088 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 23.5962, 34.5982, 46.5088 by changing the saturation by 10% instead.

■ 23.5962, 34.5982,
46.5088

■ 23.5962, 34.5982,
46.5088

263.2511,
322.7912, 389.1873

■ 15.1575, 23.3535,
32.2960

■ 48.8299, 66.8628,
86.3222

■ 9.0170, 14.8548,
21.3210

■ 66.3556, 88.6516,
112.7599

■ 4.8095, 8.7175,
13.1653

■ 87.6411, 114.7239,
144.1096

■ 2.1695, 4.5574,
7.4104

■ 113.0515,
145.4640, 180.7899

■ 0.7266, 1.9900,
3.6377

■ 142.9524,
181.2564, 223.2192

■ 0.0000, 0.6016,
1.4288

177.7091,

■ 0.0000, 0.0000,

222.4855, 271.8162

0.1640

217.6869,
269.5356, 326.9994

■ 0.0000, 0.0000,
0.0000

■ 23.5962, 34.5982,
46.5088

■ 23.5962, 34.5982,
46.5088

■ 23.5575, 34.5792,
46.4987

■ 23.8730, 34.7405,
46.5752

■ 24.3950, 35.0084,
46.6523

■ 25.2281, 35.4367,
46.7440

■ 26.4113, 36.0455,
46.8521

■ 27.9774, 36.8517,
46.9782

■ 29.9560, 37.8705,
47.1236

■ 32.3734, 39.1156,
47.2896

■ 35.2538, 40.5993,
47.4774

■ 38.6197, 42.3333,
47.6878

Harmonies

Analogous

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



23.5549, 34.5982, 30.5070



23.5962, 34.5982, 46.5088



25.9295, 34.5982, 64.1160

Triad

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



23.5962, 34.5982, 46.5088



41.1470, 34.5982, 63.5433



35.6375, 34.5982, 15.0713

Complementary

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



23.5962, 34.5982, 46.5088



18.1871, 9.4222, 0.9761

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.



40.9838, 34.5982, 19.7291



23.5962, 34.5982, 46.5088



44.4003, 34.5982, 45.8782

Square

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



23.5962, 34.5982, 46.5088



35.8406, 34.5982, 75.6889



44.3374, 34.5982, 30.0313



30.0957, 34.5982, 15.1515

Rectangle

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



23.5962, 34.5982, 46.5088



28.6396, 34.5982, 73.1124



44.3374, 34.5982, 30.0313



37.5295, 34.5982, 16.0610

Sweetspot

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



23.5972, 34.5995, 46.5096



57.4101, 69.7601, 84.6536



15.8136, 31.4902, 5.3320



12.0386, 14.9106, 18.3184



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



23.5972, 34.5995, 46.5096



42.1864, 61.9271, 83.2590



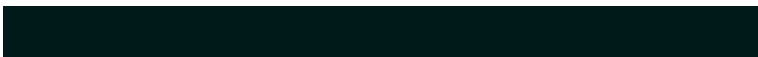
11.8814, 11.0086, 43.0949



8.7405, 9.6307, 10.8932



17.0685, 25.0534, 33.6933



0.5377, 0.7886, 1.0637

Inverse Universe

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



18.1871, 9.4222, 0.9761



32.4801, 16.7433, 1.5578



21.5666, 16.1900, 2.0755



8.4983, 8.5060, 8.8565



13.1417, 6.7742, 0.6402



0.4141, 0.2134, 0.0236

Previews

White Background



This preview shows how the XYZ color 23.5962, 34.5982, 46.5088 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 23.5962, 34.5982, 46.5088 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

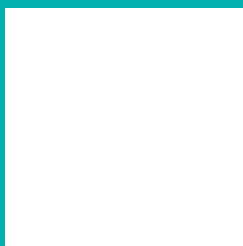
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.5962, 34.5982, 46.5088

Background



This preview shows how black text looks on a background with the XYZ color 23.5962, 34.5982, 46.5088.



This preview shows how white text looks on a background with the XYZ color 23.5962, 34.5982,

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

23.5962, 34.5982, 46.5088

Protanopia

33.0559, 34.1652, 39.9743

Deuteranopia

34.7964, 34.1288, 48.4696



Tritanopia

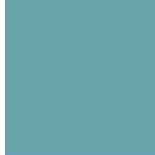
25.1425, 34.6574, 53.5085

Trichromacy



Original Color

23.5962, 34.5982, 46.5088



Protanomaly

25.8228, 32.2029, 41.9006



Deuteranomaly

26.7659, 32.0384, 47.4211



Tritanomaly

24.5079, 34.6819, 50.7500

Monochromacy



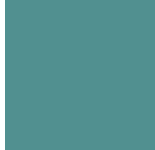
Original Color

23.5962, 34.5982, 46.5088



Achromatopsia

19.4927, 20.5079, 22.3331



Achromatomaly

18.4006, 23.7095, 29.9921

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.5962, 34.5982, 46.5088 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, 177, 176)` looks like.

```
.text, #text, p{  
    color:rgb(3, 177, 176)  
}
```

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, 177, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(3, 177, 176) }
```

Border

The CSS property to change the border of an element to XYZ 23.5962, 34.5982, 46.5088 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, 177, 176) }
```


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

```
.border{ border-color:rgb(3, 177, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(3, 177, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(3, 177, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(3, 177, 176);  
box-shadow:4px 4px 4px 4px rgb(3, 177,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 23.5962, 34.5982, 46.5088 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(3, 177, 176) }
```

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

```
.background{ background-color: rgb(3, 177,  
176) }
```

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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