

Converting Colors

XYZ(23.0041, 35.3886, 24.3471)

Have a look what the booklet for
XYZ(23.0041, 35.3886, 24.3471)
contains.

XYZ(23.0035, 35.3757, 24.3547)	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(23.0035, 35.3757,
24.3547)**

Conversions

Conversions Part 1

Format	Color
Hex	50B37B
RGB	80, 179, 123
RGB Percent	31%, 70%, 48%
CMY	0.6863, 0.2980, 0.5176
CMYK	0.55, 0.00, 0.31, 0.30
HSL	146°, 39%, 51%
HSV	146°, 55%, 70%
XYZ	23.0035, 35.3757, 24.3547
YIQ	143.0150, -41.0280, -38.4040

Conversions

Conversions Part 2

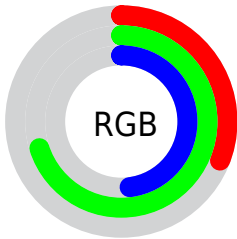
Format	Color
RYB	80, 149, 179
Decimal	5288827
CIELab	66.04, -42.03, 20.04
CIELCh	66, 46.562, 154.503
Yxy	35.3757, 0.2780, 0.4276
Android (android.graphics.Color)	4283478907 (0xFF50B37B)
YUV	143.0150, -9.8674, -55.2642
Hunter-Lab	59.4775, -35.0489, 17.3563

Details

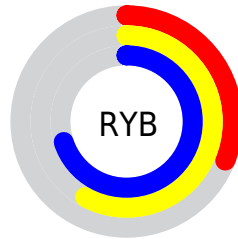
The XYZ color **23.0035, 35.3757, 24.3547** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **25.9041, 17.0993, 25.2290**, and the grayscale version is **26.1650, 27.5277, 29.9776**.

A 20% lighter version of the original color is **47.6981, 67.7855, 51.6442**, and **8.6698, 15.2133, 8.9581** is the 20% darker color. If you saturate the color by 10%, you get **21.0874, 34.4584, 21.1260**, and if you desaturate by 10%, it is **25.3896, 36.5297, 27.9492**.

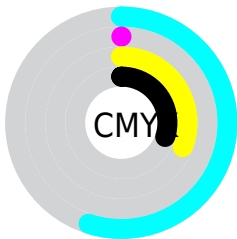
Distribution



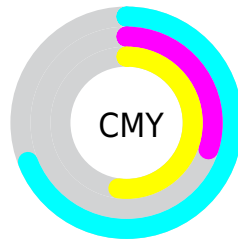
- Red (31%)
- Green (70%)
- Blue (48%)



- Red (31%)
- Yellow (58%)
- Blue (70%)



- Cyan (55%)
- Magenta (0%)
- Yellow (31%)
- Black (30%)





- Cyan (69%)
- Magenta (30%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.0035, 35.3757, 24.3547 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 23.0035, 35.3757, 24.3547 by changing the saturation by 10% instead.


 23.0035, 35.3757,
24.3547


 23.0035, 35.3757,
24.3547


260.2780,
326.2236, 287.9529


 14.7168, 23.9524,
15.3823


 47.8657, 68.0674,
51.5595


 8.7059, 15.2983,
8.9385

 65.1719, 90.1046,
70.6289


 4.6054, 9.0290,
4.6049


 86.2153, 116.4485,
93.9012

 2.0500, 4.7601,
1.9627

 111.3613,
147.4836, 121.7947

 0.6618, 2.1072,
0.5322

 140.9752,
183.5943, 154.7282

 0.0000, 0.6687,
0.0000

175.4224,

 0.0000, 0.0000,

225.1649, 193.1200

0.0000

215.0682,
272.5799, 237.3887

■ 23.0035, 35.3757,
24.3547

■ 23.0035, 35.3757,
24.3547

■ 21.0874, 34.4584,
21.1260

■ 25.3896, 36.5297,
27.9492

■ 19.6038, 33.7557,
18.2487

■ 28.2741, 37.9318,
31.9185

■ 18.5137, 33.2488,
15.7110

■ 31.6860, 39.5979,
36.2743

■ 17.7680, 32.9125,
13.4990

■ 35.6516, 41.5411,
41.0268

■ 17.4869, 32.7879,
12.5675

■ 40.1951, 43.7739,
46.1860

■ 45.3393, 46.3077,
51.7616

■ 51.1058, 49.1536,
57.7627

■ 57.5150, 52.3219,
64.1984

■ 64.5866, 55.8225,
71.0773

Harmonies

Analogous

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



26.6472, 35.3757, 14.9057



23.0035, 35.3757, 24.3547



22.0446, 35.3757, 41.5826

Triad

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



23.0035, 35.3757, 24.3547



34.6772, 35.3757, 90.2449



45.7998, 35.3757, 20.7392

Complementary

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



23.0035, 35.3757, 24.3547



25.9041, 17.0993, 25.2290

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.



48.6786, 35.3757, 35.6080



23.0035, 35.3757, 24.3547



41.7223, 35.3757, 79.1382

Square

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



23.0035, 35.3757, 24.3547



28.2241, 35.3757, 84.0638



47.0932, 35.3757, 57.3219



39.6711, 35.3757, 13.3753

Rectangle

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



23.0035, 35.3757, 24.3547



22.9280, 35.3757, 56.5463



47.0932, 35.3757, 57.3219



47.2152, 35.3757, 24.7977

Sweetspot

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



23.0044, 35.3771, 24.3555



62.3615, 73.6665, 71.7324



27.7388, 38.0635, 13.4748



13.4962, 16.1639, 15.5132



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.



23.0044, 35.3771, 24.3555



37.2296, 61.4565, 36.8571



26.9143, 36.9411, 44.9448



8.5371, 9.5493, 9.8222



12.3880, 23.1812, 9.0462



0.4193, 0.7412, 0.4399

Inverse Universe

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



25.9041, 17.0993, 25.2290



42.9234, 25.4772, 38.5060



23.1640, 16.0033, 10.7999



8.6909, 8.5831, 9.8710



14.8387, 7.4530, 9.5765



0.4955, 0.2460, 0.4521

Previews

White Background



This preview shows how the XYZ color 23.0035, 35.3757, 24.3547 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 23.0035, 35.3757, 24.3547 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 23.0035, 35.3757, 24.3547

Background



This preview shows how black text looks on a background with the XYZ color 23.0035, 35.3757, 24.3547.



This preview shows how white text looks on a background with the XYZ color 23.0035, 35.3757,

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

23.0035, 35.3757, 24.3547

Protanopia

32.4487, 34.7818, 20.9229

Deuteranopia

35.3613, 34.6817, 25.5994



Tritanopia

28.3569, 35.2253, 51.2035

Trichromacy



Original Color

23.0035, 35.3757, 24.3547



Protanomaly

27.4946, 34.0458, 21.9520



Deuteranomaly

28.7837, 33.5760, 25.0424



Tritanomaly

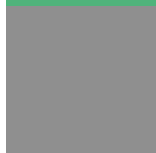
25.9720, 35.1049, 39.5895

Monochromacy



Original Color

23.0035, 35.3757, 24.3547



Achromatopsia

26.1081, 27.4677, 29.9124



Achromatomaly

24.0781, 29.5476, 27.7268

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.0035, 35.3757, 24.3547 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(80, 179, 123)` looks like.

```
.text, #text, p{  
    color:rgb(80, 179, 123)  
}
```

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(80, 179, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 179, 123) }
```

Border

The CSS property to change the border of an element to XYZ 23.0035, 35.3757, 24.3547 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(80, 179, 123) }
```


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

```
.border{ border-color:rgb(80, 179, 123) }
```

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

Here you see how a box with a 4 pixel rgb(80, 179, 123) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 179, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 179, 123);  
box-shadow:4px 4px 4px 4px rgb(80, 179,  
123) }
```

Background

The CSS property to change the background color of an element to XYZ 23.0035, 35.3757, 24.3547 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 179, 123) }
```

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

```
.background{ background-color: rgb(80, 179,  
123) }
```

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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