

Converting Colors

XYZ(8.5640, 10.6476, 5.3733)

Have a look what the booklet for
XYZ(8.5640, 10.6476, 5.3733)
contains.

XYZ(8.5558, 10.6739, 5.3507)	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(8.5558, 10.6739,
5.3507)**

Conversions

Conversions Part 1

Format	Color
Hex	536138
RGB	83, 97, 56
RGB Percent	33%, 38%, 22%
CMY	0.6745, 0.6196, 0.7804
CMYK	0.14, 0.00, 0.42, 0.62
HSL	80°, 27%, 30%
HSV	80°, 42%, 38%
XYZ	8.5558, 10.6739, 5.3507
YIQ	88.1400, 4.8170, -15.7190

Conversions

Conversions Part 2

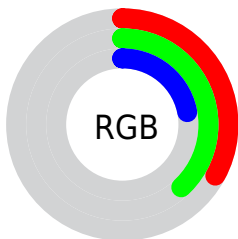
Format	Color
RYB	56, 97, 70
Decimal	5464376
CIELab	39.03, -13.10, 21.62
CIELCh	39, 25.273, 121.210
Yxy	10.6739, 0.3481, 0.4342
Android (android.graphics.Color)	4283654456 (0xFF536138)
YUV	88.1400, -15.8450, -4.5078
Hunter-Lab	32.6709, -10.4289, 13.1594

Details

The XYZ color **8.5558, 10.6739, 5.3507** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **6.0980, 4.9938, 11.9523**, and the grayscale version is **9.3394, 9.8258, 10.7003**.

A 20% lighter version of the original color is **22.7615, 27.1658, 17.1406**, and **2.0131, 2.7875, 0.7798** is the 20% darker color. If you saturate the color by 10%, you get **8.0560, 10.4414, 4.2068**, and if you desaturate by 10%, it is **9.1161, 10.9330, 6.7380**.

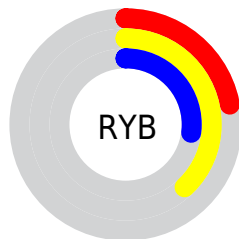
Distribution



Red (33%)

Green (38%)

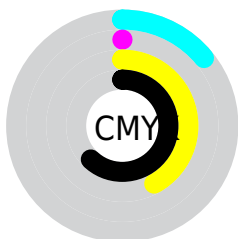
Blue (22%)



Red (22%)

Yellow (38%)

Blue (27%)

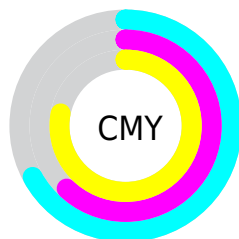


Cyan (14%)

Magenta (0%)

Yellow (42%)

Black (62%)



Cyan (67%)

Magenta (62%)

Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 8.5558, 10.6739, 5.3507 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 8.5558, 10.6739, 5.3507 by changing the saturation by 10% instead.

8.5558, 10.6739,
5.3507

8.5558, 10.6739,
5.3507

174.3069,
195.4164, 162.2273

4.5074, 5.8480,
2.3922

22.7162, 27.0556,
17.0213

1.9930, 2.7529,
0.7822

33.5588, 39.3801,
26.5705

0.6300, 1.0041,
0.0000

47.3970, 54.9730,
39.1536

0.0000, 0.0000,
0.0000

64.5959, 74.2186,
55.1892

85.5210, 97.5014,
75.0958

110.5376,

125.2057, 99.2920

140.0111,
157.7159, 128.1963

■ 8.5558, 10.6739,
5.3507

■ 8.5558, 10.6739,
5.3507

■ 8.0560, 10.4414,
4.2068

■ 9.1161, 10.9330,
6.7380

■ 7.6130, 10.2328,
3.2914

■ 9.7388, 11.2183,
8.3810

■ 7.2240, 10.0474,
2.5895

■ 10.4266, 11.5313,
10.2918

■ 6.8854, 9.8837,
2.0834

■ 11.1818, 11.8729,
12.4817

■ 6.5924, 9.7398,
1.7479

■ 12.0066, 12.2440,
14.9614

■ 6.3812, 9.6357,
1.5235

■ 12.9030, 12.6456,
17.7409

■ 13.8732, 13.0783,
20.8297

■ 14.9189, 13.5431,
24.2371

■ 16.0420, 14.0406,
27.9718

Harmonies

Analogous

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



10.0769, 10.6739, 4.5897



8.5558, 10.6739, 5.3507



7.5602, 10.6739, 7.6983

Triad

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



8.5558, 10.6739, 5.3507



8.6621, 10.6739, 21.8103



13.7453, 10.6739, 11.4270

Complementary

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



8.5558, 10.6739, 5.3507



6.0980, 4.9938, 11.9523

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.



13.2611, 10.6739, 16.6936



8.5558, 10.6739, 5.3507



10.2139, 10.6739, 23.6007

Square

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



8.5558, 10.6739, 5.3507



7.6166, 10.6739, 17.1298



11.9202, 10.6739, 21.5132



13.1794, 10.6739, 7.4430

Rectangle

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



8.5558, 10.6739, 5.3507



7.2659, 10.6739, 10.2597



11.9202, 10.6739, 21.5132



13.6996, 10.6739, 13.1000

Sweetspot

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



8.5561, 10.6744, 5.3509



17.7350, 19.7029, 17.2536



7.8133, 7.1660, 4.7129



4.3543, 4.8698, 4.1453



49.6657, 52.2522, 56.9026



4.8358, 5.0876, 5.5404

Same Dimension

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



8.5561, 10.6744, 5.3509



13.7908, 17.8886, 7.1728



7.0281, 9.8867, 5.2794



2.6856, 2.9293, 2.7680



8.6314, 13.0838, 2.0705



45.1415, 69.3969, 11.0157

Inverse Universe

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



6.0980, 4.9938, 11.9523



8.9454, 6.6794, 20.2031



7.8049, 5.8737, 12.0322



2.5225, 2.5530, 3.2051



3.7468, 1.5924, 15.4976



19.1509, 8.0609, 82.7512

Previews

White Background



This preview shows how the XYZ color 8.5558, 10.6739, 5.3507 looks on a white background.

Color Contrast Check

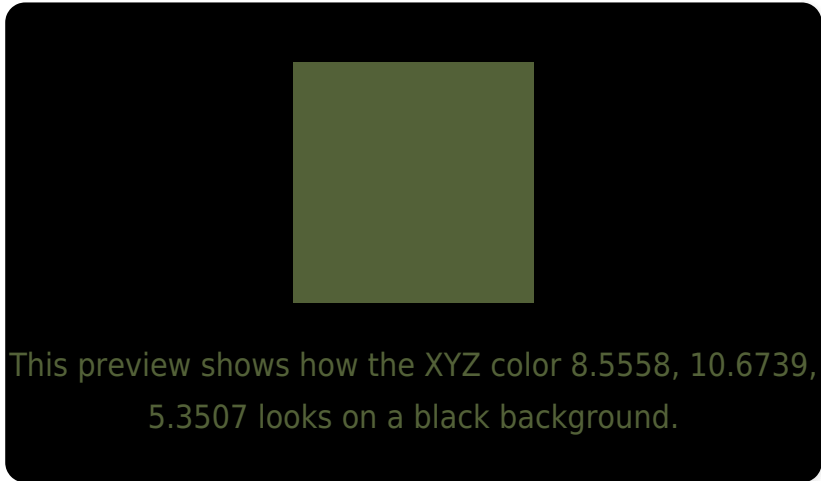
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 8.5558, 10.6739, 5.3507

Background



This preview shows how black text looks on a background with the XYZ color 8.5558, 10.6739, 5.3507.



This preview shows how white text looks on a background with the XYZ color 8.5558, 10.6739,

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

8.5558, 10.6739, 5.3507

Protanopia

9.7485, 10.6300, 5.0280

Deuteranopia

10.8090, 10.6644, 5.4917



Tritanopia

10.1991, 10.6790, 13.3281

Trichromacy



Original Color

8.5558, 10.6739, 5.3507

Protanomaly

9.3084, 10.6609, 5.1816

Deuteranomaly

9.8464, 10.5443, 5.3872

Tritanomaly

9.4945, 10.6562, 9.7400

Monochromacy



Original Color

8.5558, 10.6739, 5.3507

Achromatopsia

9.2757, 9.7587, 10.6273

Achromatomaly

8.8833, 9.9824, 8.2961

CSS Examples

Text

The CSS property to change the color of the text to XYZ 8.5558, 10.6739, 5.3507 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(83, 97, 56)` looks like.

```
.text, #text, p{  
    color:rgb(83, 97, 56)  
}
```

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(83, 97, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 97, 56) }
```

Border

The CSS property to change the border of an element to XYZ 8.5558, 10.6739, 5.3507 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(83, 97, 56) }
```


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

```
.border{ border-color:rgb(83, 97, 56) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 97, 56)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 97, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 97, 56);  
box-shadow:4px 4px 4px 4px rgb(83, 97, 56)  
}
```

Background

The CSS property to change the background color of an element to XYZ 8.5558, 10.6739, 5.3507 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 97, 56) }
```

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

```
.background{ background-color: rgb(83, 97,  
56) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor