

Converting Colors

XYZ(13.5256, 13.8550, 44.4843)

Have a look what the booklet for
XYZ(13.5256, 13.8550, 44.4843)
contains.

XYZ(13.5460, 13.8482, 44.6068)	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(13.5460, 13.8482,
44.6068)**

Conversions

Conversions Part 1

Format	Color
Hex	0C6BB3
RGB	12, 107, 179
RGB Percent	5%, 42%, 70%
CMY	0.9528, 0.5804, 0.2980
CMYK	0.93, 0.40, 0.00, 0.30
HSL	206°, 87%, 37%
HSV	206°, 93%, 70%
XYZ	13.5460, 13.8482, 44.6068
YIQ	86.8030, -79.7320, 2.2520

Conversions

Conversions Part 2

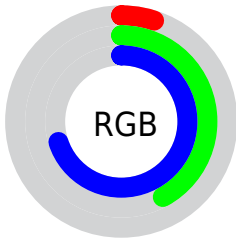
Format	Color
R_{YB}	12, 73, 179
Decimal	814003
CIE _{Lab}	44.01, 2.49, -45.07
CIE _{LCh}	44, 45.136, 273.162
Yxy	13.8482, 0.1881, 0.1923
Android (android.graphics.Color)	4279004083 (0xFF0C6BB3)
YUV	86.8030, 45.4531, -65.6022
Hunter-Lab	37.2132, -0.1471, -45.0207

Details

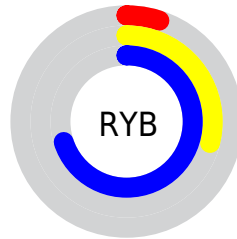
The XYZ color **13.5460, 13.8482, 44.6068** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **21.8299, 15.9561, 2.2782**, and the grayscale version is **8.9368, 9.4023, 10.2391**.

A 20% lighter version of the original color is **31.8383, 32.8316, 83.2563**, and **5.3818, 4.7381, 20.3696** is the 20% darker color. If you saturate the color by 10%, you get **12.8696, 12.7205, 44.4251**, and if you desaturate by 10%, it is **14.7690, 15.7273, 44.9054**.

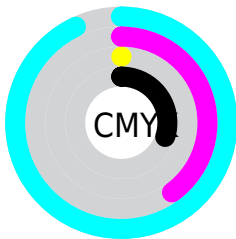
Distribution



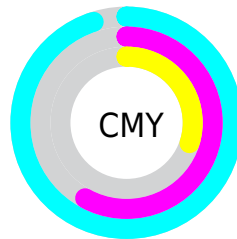
- Red (5%)
- Green (42%)
- Blue (70%)



- Red (5%)
- Yellow (29%)
- Blue (70%)



- Cyan (93%)
- Magenta (40%)
- Yellow (0%)
- Black (30%)



- Cyan (95%)
- Magenta (58%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.5460, 13.8482, 44.6068 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 13.5460, 13.8482, 44.6068 by changing the saturation by 10% instead.

■ 13.5460, 13.8482,
44.6068

■ 13.5460, 13.8482,
44.6068

207.9555,
216.2844, 381.2923

■ 7.8852, 8.0152,
30.8071

■ 31.8743, 32.8194,
83.4422

■ 4.0727, 4.1047,
20.1948

■ 45.2725, 46.7264,
109.3151

■ 1.7434, 1.7323,
12.3512

■ 61.9805, 64.0935,
140.0495

■ 0.4832, 0.4444,
6.8579

■ 82.3637, 85.3051,
176.0638

■ 0.0000, 0.0000,
3.2963

■ 106.7875,
110.7456, 217.7768

■ 0.0000, 0.0000,
1.2479

■ 135.6171,

■ 0.0000, 0.0000,

140.7994, 265.6068

0.0185

169.2180,
175.8509, 319.9725

■ 0.0000, 0.0000,
0.0000

■ 13.5460, 13.8482,
44.6068

■ 13.5460, 13.8482,
44.6068

■ 12.8696, 12.7205,
44.4251

■ 14.7690, 15.7273,
44.9054

■ 16.3613, 17.9060,
45.2420

■ 18.3691, 20.4108,
45.6196

■ 20.8308, 23.2640,
46.0406

■ 23.7800, 26.4854,
46.5069

■ 27.2467, 30.0927,
47.0205

■ 31.2586, 34.1024,
47.5830

■ 35.8409, 38.5299,
48.1961

■ 41.0175, 43.3896,
48.8613

Harmonies

Analogous

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



10.2904, 13.8482, 40.4266



13.5460, 13.8482, 44.6068



17.3022, 13.8482, 38.3623

Triad

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



13.5460, 13.8482, 44.6068



19.8134, 13.8482, 6.6555



7.9221, 13.8482, 7.8092

Complementary

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



13.5460, 13.8482, 44.6068



21.8299, 15.9561, 2.2782

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.



9.7418, 13.8482, 3.8579



13.5460, 13.8482, 44.6068



16.5243, 13.8482, 3.4356

Square

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



13.5460, 13.8482, 44.6068



21.3097, 13.8482, 14.0159



12.7859, 13.8482, 2.7117



7.4119, 13.8482, 16.1931

Rectangle

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



13.5460, 13.8482, 44.6068



19.4823, 13.8482, 30.2723



12.7859, 13.8482, 2.7117



8.3824, 13.8482, 6.0723

Sweetspot

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



13.5466, 13.8486, 44.6072



52.1255, 57.2537, 84.6849



17.7802, 32.9220, 13.3211



10.8899, 12.0206, 18.6685



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.



13.5466, 13.8486, 44.6072



22.8219, 22.3276, 79.4880



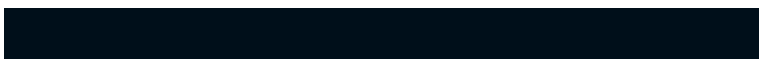
8.6570, 4.0695, 42.9773



8.4297, 9.0055, 10.8003



9.1599, 9.1201, 31.4146



0.3448, 0.4002, 1.0073

Inverse Universe

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



21.3763, 10.9091, 14.8891



37.4588, 18.8297, 23.4847



32.1278, 36.5519, 5.7108



8.6921, 8.5835, 9.8768



14.8581, 7.4608, 9.6788



0.4961, 0.2462, 0.4550

Previews

White Background



This preview shows how the XYZ color 13.5460, 13.8482, 44.6068 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



This preview shows how the XYZ color 13.5460, 13.8482, 44.6068 looks on a 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 13.5460, 13.8482, 44.6068

Background



This preview shows how black text looks on a background with the XYZ color 13.5460, 13.8482, 44.6068.



This preview shows how white text looks on a background with the XYZ color 13.5460, 13.8482,

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

13.5460, 13.8482, 44.6068

Protanopia

15.0413, 13.7798, 41.9114

Deuteranopia

14.2861, 13.9120, 45.1124



Tritanopia

9.7059, 13.6915, 20.8701

Trichromacy



Original Color

13.5460, 13.8482, 44.6068

Protanomaly

14.0520, 13.5389, 42.9469

Deuteranomaly

13.9879, 13.9104, 45.1278

Tritanomaly

10.8022, 13.5973, 28.0418

Monochromacy



Original Color

13.5460, 13.8482, 44.6068

Achromatopsia

9.0590, 9.5307, 10.3790

Achromatomaly

9.2563, 10.3221, 19.2738

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.5460, 13.8482, 44.6068 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(12, 107, 179)` looks like.

```
.text, #text, p{  
    color:rgb(12, 107, 179)  
}
```

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(12, 107, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 107, 179) }
```

Border

The CSS property to change the border of an element to XYZ 13.5460, 13.8482, 44.6068 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(12, 107, 179) }
```


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

```
.border{ border-color:rgb(12, 107, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(12, 107, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(12, 107, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(12, 107, 179);  
box-shadow:4px 4px 4px 4px rgb(12, 107,  
179) }
```

Background

The CSS property to change the background color of an element to XYZ 13.5460, 13.8482, 44.6068 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(12, 107, 179) }
```

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

```
.background{ background-color: rgb(12, 107,  
179) }
```

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