

Converting Colors

XYZ(8.1972, 13.6480, 5.5166)

Have a look what the booklet for
XYZ(8.1972, 13.6480, 5.5166)
contains.

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Color

**XYZ(8.1762, 13.5840,
5.5592)**

Conversions

Conversions Part 1

Format	Color
Hex	2F7535
RGB	47, 117, 53
RGB Percent	18%, 46%, 21%
CMY	0.8157, 0.5412, 0.7922
CMYK	0.60, 0.00, 0.55, 0.54
HSL	125°, 43%, 32%
HSV	125°, 60%, 46%
XYZ	8.1762, 13.5840, 5.5592
YIQ	88.7740, -21.1760, -34.7440

Conversions

Conversions Part 2

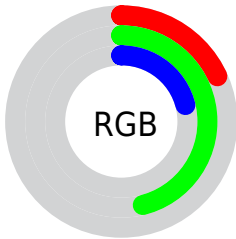
Format	Color
RYB	47, 111, 117
Decimal	3110197
CIELab	43.63, -36.31, 28.61
CIElCh	44, 46.228, 141.758
Yxy	13.5840, 0.2993, 0.4972
Android (android.graphics.Color)	4281300277 (0xFF2F7535)
YUV	88.7740, -17.6366, -36.6358
Hunter-Lab	36.8565, -24.9006, 16.8566

Details

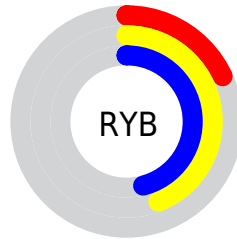
The XYZ color **8.1762, 13.5840, 5.5592** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **11.2223, 6.9629, 15.7918**, and the grayscale version is **9.4869, 9.9810, 10.8693**.

A 20% lighter version of the original color is **21.9792, 32.3984, 17.4070**, and **2.1000, 4.1474, 0.8621** is the 20% darker color. If you saturate the color by 10%, you get **7.4883, 13.2551, 4.3830**, and if you desaturate by 10%, it is **9.0644, 14.0106, 7.0323**.

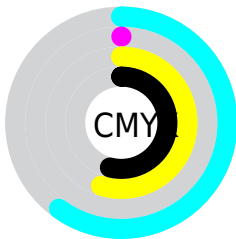
Distribution



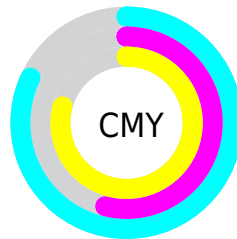
- Red (18%)
- Green (46%)
- Blue (21%)



- Red (18%)
- Yellow (44%)
- Blue (46%)



- Cyan (60%)
- Magenta (0%)
- Yellow (55%)
- Black (54%)





- Cyan (82%)
- Magenta (54%)
- Yellow (79%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 8.1762, 13.5840, 5.5592 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 8.1762, 13.5840, 5.5592 by changing the saturation by 10% instead.


 8.1762, 13.5840,
5.5592


 8.1762, 13.5840,
5.5592


171.4481,
214.6273, 164.2371

 4.2607, 7.8319,
2.5145


 21.9853, 32.3491,
17.4705


 1.8506, 3.9876,
0.8478

 32.6095, 46.1308,
27.1742


 0.5479, 1.6666,
0.0000

 46.2007, 63.3579,
39.9346

 0.0000, 0.4019,
0.0000

 63.1242, 84.4147,
56.1703

 0.0000, 0.0000,
0.0000

 83.7453, 109.6857,
76.2999

 108.4294,

139.5552, 100.7419

137.5419,
174.4076, 129.9147

■ 8.1762, 13.5840,
5.5592

■ 8.1762, 13.5840,
5.5592

■ 7.4883, 13.2551,
4.3830

■ 9.0644, 14.0106,
7.0323

■ 6.9842, 13.0146,
3.4827

■ 10.1658, 14.5400,
8.8195

■ 6.6463, 12.8544,
2.8360

■ 11.4935, 15.1789,
10.9378

■ 6.4200, 12.7468,
2.4153

■ 13.0590, 15.9330,
13.4029

■ 6.4165, 12.7451,
2.4099

■ 14.8733, 16.8077,
16.2293

■ 16.9466, 17.8078,
19.4307

■ 19.2885, 18.9380,
23.0202

■ 21.9081, 20.2029,
27.0101

■ 24.8141, 21.6066,
31.4122

Harmonies

Analogous

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



10.4972, 13.5840, 2.9216



8.1762, 13.5840, 5.5592



7.1710, 13.5840, 12.1108

Triad

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



8.1762, 13.5840, 5.5592



11.9380, 13.5840, 44.6263



20.5224, 13.5840, 8.5592

Complementary

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



8.1762, 13.5840, 5.5592



11.2223, 6.9629, 15.7918

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.



21.1058, 13.5840, 17.8393



8.1762, 13.5840, 5.5592



15.6695, 13.5840, 42.1366

Square

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



8.1762, 13.5840, 5.5592



9.0612, 13.5840, 36.6459



19.1920, 13.5840, 30.8967



17.7213, 13.5840, 4.0031

Rectangle

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



8.1762, 13.5840, 5.5592



7.2213, 13.5840, 19.2401



19.1920, 13.5840, 30.8967



21.0030, 13.5840, 11.0862

Sweetspot

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



8.1765, 13.5846, 5.5595



23.8005, 28.7309, 24.6516



13.4515, 16.3189, 5.1303



5.3080, 6.5266, 5.4108



57.3938, 60.3827, 65.7568



6.9614, 7.3239, 7.9757

Same Dimension

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



8.1765, 13.5846, 5.5595



13.0071, 23.5431, 7.1412



9.2885, 14.0294, 11.4151



3.6522, 4.1028, 4.0024



7.0663, 14.0405, 2.6391



34.2939, 68.3648, 12.1185

Inverse Universe

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



11.2223, 6.9629, 15.7918



18.9951, 10.4885, 27.2313



9.6633, 6.3393, 7.5824



3.8138, 3.7528, 4.5460



11.0022, 5.3346, 15.7518



53.4583, 25.9334, 75.9338

Previews

White Background



This preview shows how the XYZ color 8.1762, 13.5840, 5.5592 looks on a white background.

Color Contrast Check

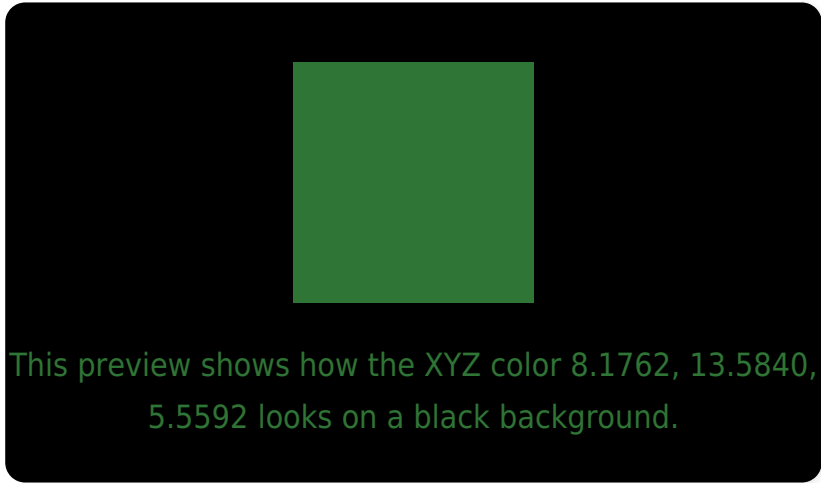
Large Text (above 18pt) WCAG AA ✓ Pass

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 8.1762, 13.5840, 5.5592

Background



This preview shows how black text looks on a background with the XYZ color 8.1762, 13.5840, 5.5592.



This preview shows how white text looks on a background with the XYZ color 8.1762, 13.5840,

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

8.1762, 13.5840, 5.5592

Protanopia

12.3232, 13.4913, 4.7509

Deuteranopia

13.5889, 13.4008, 5.8734



Tritanopia

11.0201, 13.5738, 19.4919

Trichromacy



Original Color

8.1762, 13.5840, 5.5592

Protanomaly

10.1547, 13.1291, 5.0166

Deuteranomaly

10.6951, 12.9301, 5.6734

Tritanomaly

9.7156, 13.5360, 12.9271

Monochromacy



Original Color

8.1762, 13.5840, 5.5592

Achromatopsia

9.4954, 9.9899, 10.8790

Achromatomaly

8.5904, 10.9013, 8.4889

CSS Examples

Text

The CSS property to change the color of the text to XYZ 8.1762, 13.5840, 5.5592 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(47, 117, 53)` looks like.

```
.text, #text, p{  
    color:rgb(47, 117, 53)  
}
```

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(47, 117, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 117, 53) }
```

Border

The CSS property to change the border of an element to XYZ 8.1762, 13.5840, 5.5592 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(47, 117, 53) }
```


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

```
.border{ border-color:rgb(47, 117, 53) }
```

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

Here you see how a box with a 4 pixel `rgb(47, 117, 53)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 117, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 117, 53);  
box-shadow:4px 4px 4px 4px rgb(47, 117,  
53) }
```

Background

The CSS property to change the background color of an element to XYZ 8.1762, 13.5840, 5.5592 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 117, 53) }
```

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

```
.background{ background-color: rgb(47, 117,  
53) }
```

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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