

Converting Colors

XYZ(8.1464, 13.6000, 6.5692)

Have a look what the booklet for
XYZ(8.1464, 13.6000, 6.5692)
contains.

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Color

**XYZ(8.1180, 13.5309,
6.5987)**

Conversions

Conversions Part 1

Format	Color
Hex	29753D
RGB	41, 117, 61
RGB Percent	16%, 46%, 24%
CMY	0.8392, 0.5412, 0.7608
CMYK	0.65, 0.00, 0.48, 0.54
HSL	136°, 48%, 31%
HSV	136°, 65%, 46%
XYZ	8.1180, 13.5309, 6.5987
YIQ	87.8920, -27.3200, -33.5280

Conversions

Conversions Part 2

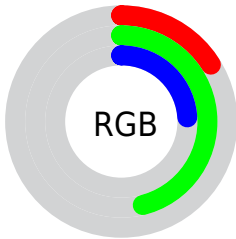
Format	Color
RYB	41, 101, 117
Decimal	2716989
CIELab	43.55, -36.50, 24.12
CIElCh	44, 43.746, 146.543
Yxy	13.5309, 0.2874, 0.4790
Android (android.graphics.Color)	4280907069 (0xFF29753D)
YUV	87.8920, -13.2578, -41.1243
Hunter-Lab	36.7844, -24.9792, 15.1131

Details

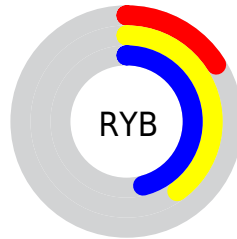
The XYZ color **8.1180, 13.5309, 6.5987** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **10.2871, 6.2310, 11.9700**, and the grayscale version is **9.2847, 9.7683, 10.6376**.

A 20% lighter version of the original color is **21.8544, 32.2865, 19.5481**, and **2.1606, 4.1717, 1.1815** is the 20% darker color. If you saturate the color by 10%, you get **7.5052, 13.2401, 5.4539**, and if you desaturate by 10%, it is **8.9076, 13.9093, 7.9473**.

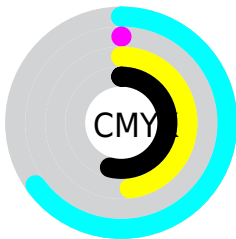
Distribution



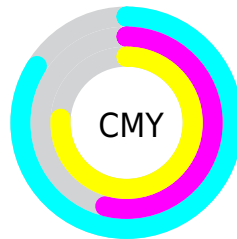
- Red (16%)
- Green (46%)
- Blue (24%)



- Red (16%)
- Yellow (40%)
- Blue (46%)



- Cyan (65%)
- Magenta (0%)
- Yellow (48%)
- Black (54%)



- Cyan (84%)
- Magenta (54%)
- Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 8.1180, 13.5309, 6.5987 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 8.1180, 13.5309, 6.5987 by changing the saturation by 10% instead.

■ 8.1180, 13.5309,
6.5987

■ 8.1180, 13.5309,
6.5987

171.0049,
214.2927, 173.7887

■ 4.2230, 7.7951,
3.1378

■ 21.8727, 32.2543,
19.6602

■ 1.8290, 3.9641,
1.1654

■ 32.4630, 46.0108,
30.0978

■ 0.5351, 1.6535,
0.0000

■ 46.0159, 63.2096,
43.6981

■ 0.0000, 0.3933,
0.0000

■ 62.8965, 84.2351,
60.8797

■ 0.0000, 0.0000,
0.0000

■ 83.4704, 109.4718,
82.0609

■ 108.1029,

139.3040, 107.6605

137.1593,
174.1162, 138.0969

■ 8.1180, 13.5309,
6.5987

■ 8.1180, 13.5309,
6.5987

■ 7.5052, 13.2401,
5.4539

■ 8.9076, 13.9093,
7.9473

■ 7.0537, 13.0279,
4.5021

■ 9.8859, 14.3801,
9.5082

■ 6.7408, 12.8833,
3.7323

■ 11.0648, 14.9496,
11.2902

■ 6.6061, 12.8209,
3.4085

■ 12.4549, 15.6232,
13.3017

■ 14.0662, 16.4057,
15.5504

■ 15.9078, 17.3018,
18.0437

■ 17.9885, 18.3159,
20.7888

■ 20.3165, 19.4519,
23.7924

■ 22.8997, 20.7140,
27.0610

Harmonies

Analogous

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



10.1405, 13.5309, 3.4918



8.1180, 13.5309, 6.5987



7.3506, 13.5309, 13.6262

Triad

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



8.1180, 13.5309, 6.5987



12.4683, 13.5309, 42.6567



19.6853, 13.5309, 7.8183

Complementary

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



8.1180, 13.5309, 6.5987



10.2871, 6.2310, 11.9700

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.



20.6038, 13.5309, 15.8978



8.1180, 13.5309, 6.5987



16.0284, 13.5309, 38.8158

Square

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



8.1180, 13.5309, 6.5987



9.5656, 13.5309, 36.6897



19.1634, 13.5309, 27.7442



16.8370, 13.5309, 3.9449

Rectangle

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



8.1180, 13.5309, 6.5987



7.5313, 13.5309, 20.7714



19.1634, 13.5309, 27.7442



20.2496, 13.5309, 9.9952

Sweetspot

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



8.1183, 13.5315, 6.5990



23.8295, 28.7168, 25.9665



11.7990, 15.4800, 4.4639



5.3293, 6.5299, 5.7610



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.



8.1183, 13.5315, 6.5990



12.9958, 23.4992, 8.8620



9.4807, 14.0764, 13.7730



3.6766, 4.1126, 4.1306



7.2724, 14.1229, 3.7243



35.1310, 68.6997, 16.5269

Inverse Universe

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



10.2871, 6.2310, 11.9700



17.1869, 9.2921, 19.1683



8.9450, 5.6942, 4.9027



3.7875, 3.7423, 4.4076



9.9363, 4.9082, 10.1386



48.0543, 23.7719, 47.4770

Previews

White Background



This preview shows how the XYZ color 8.1180, 13.5309, 6.5987 looks on a white background.

Color Contrast Check

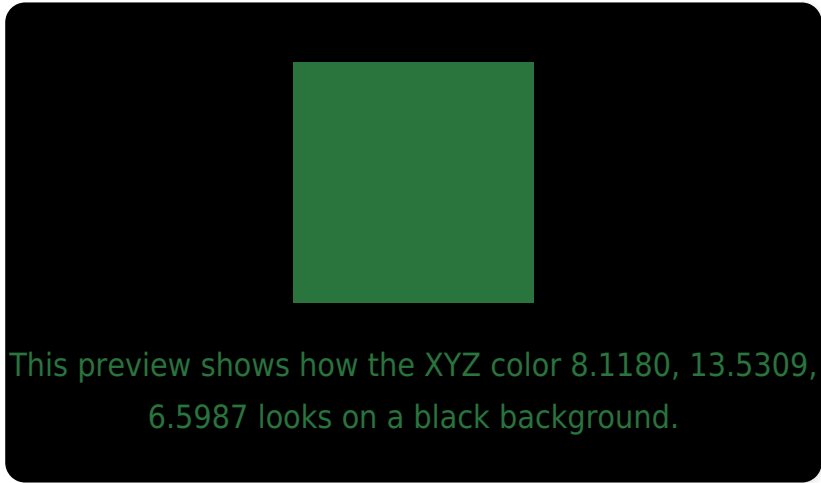
Large Text (above 18pt) WCAG AA ✓ Pass

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 8.1180, 13.5309, 6.5987

Background



This preview shows how black text looks on a background with the XYZ color 8.1180, 13.5309, 6.5987.



This preview shows how white text looks on a background with the XYZ color 8.1180, 13.5309,

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

8.1180, 13.5309, 6.5987

Protanopia

12.2752, 13.2990, 5.6614

Deuteranopia

13.5194, 13.3397, 7.0165



Tritanopia

10.7093, 13.4136, 19.4774

Trichromacy



Original Color

8.1180, 13.5309, 6.5987

Protanomaly

9.9519, 12.8471, 5.9582

Deuteranomaly

10.4912, 12.8005, 6.7683

Tritanomaly

9.5259, 13.4222, 13.6439

Monochromacy



Original Color

8.1180, 13.5309, 6.5987

Achromatopsia

9.2757, 9.7587, 10.6273

Achromatomaly

8.4355, 10.8133, 8.8503

CSS Examples

Text

The CSS property to change the color of the text to XYZ 8.1180, 13.5309, 6.5987 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(41, 117, 61)` looks like.

```
.text, #text, p{  
    color:rgb(41, 117, 61)  
}
```

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(41, 117, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(41, 117, 61) }
```

Border

The CSS property to change the border of an element to XYZ 8.1180, 13.5309, 6.5987 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(41, 117, 61) }
```


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

```
.border{ border-color:rgb(41, 117, 61) }
```

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

Here you see how a box with a 4 pixel rgb(41, 117, 61) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(41, 117, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(41, 117, 61);  
box-shadow:4px 4px 4px 4px rgb(41, 117,  
61) }
```

Background

The CSS property to change the background color of an element to XYZ 8.1180, 13.5309, 6.5987 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(41, 117, 61) }
```

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

```
.background{ background-color: rgb(41, 117,  
61) }
```

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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