

Converting Colors

XYZ(6.8172, 10.8154, 9.8475)

Have a look what the booklet for
XYZ(6.8172, 10.8154, 9.8475)
contains.

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Color

**XYZ(6.8441, 10.8469,
9.9165)**

Conversions

Conversions Part 1

Format	Color
Hex	116953
RGB	17, 105, 83
RGB Percent	7%, 41%, 33%
CMY	0.9333, 0.5882, 0.6745
CMYK	0.84, 0.00, 0.21, 0.59
HSL	165°, 72%, 24%
HSV	165°, 84%, 41%
XYZ	6.8441, 10.8469, 9.9165
YIQ	76.1800, -45.3860, -25.4980

Conversions

Conversions Part 2

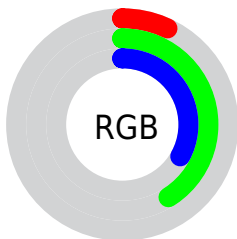
Format	Color
RYB	17, 67, 105
Decimal	1141075
CIELab	39.32, -30.44, 5.40
CIELCh	39, 30.914, 169.943
Yxy	10.8469, 0.2479, 0.3929
Android (android.graphics.Color)	4279331155 (0xFF116953)
YUV	76.1800, 3.3623, -51.9009
Hunter-Lab	32.9346, -20.5418, 5.2022

Details

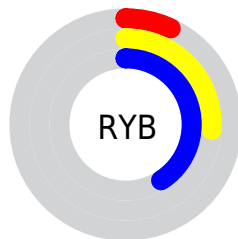
The XYZ color **6.8441, 10.8469, 9.9165** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **6.3928, 3.5510, 2.2685**, and the grayscale version is **6.9030, 7.2625, 7.9088**.

A 20% lighter version of the original color is **19.3637, 27.3996, 26.0979**, and **1.8130, 3.0662, 2.3300** is the 20% darker color. If you saturate the color by 10%, you get **6.5951, 10.7303, 9.3859**, and if you desaturate by 10%, it is **7.1819, 11.0094, 10.4718**.

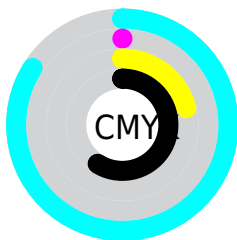
Distribution



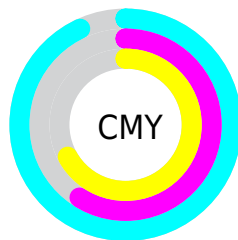
- Red (7%)
- Green (41%)
- Blue (33%)



- Red (7%)
- Yellow (26%)
- Blue (41%)



- Cyan (84%)
- Magenta (0%)
- Yellow (21%)
- Black (59%)





- Cyan (93%)
- Magenta (59%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 6.8441, 10.8469, 9.9165 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 6.8441, 10.8469, 9.9165 by changing the saturation by 10% instead.


 6.8441, 10.8469,
9.9165


 6.8441, 10.8469,
9.9165

160.9350,
196.6142, 200.5382


 3.4103, 5.9640,
5.2387

 19.3667, 27.3767,
26.2437


 1.3742, 2.8232,
2.3268

 29.1862, 39.7924,
38.7302

 0.2378, 1.0401,
0.7462

 41.8650, 55.4878,
54.6567

 0.0000, 0.0000,
0.0000

 57.7683, 74.8473,
74.4418

 77.2617, 98.2553,
98.5039

 100.7103,

126.0961, 127.2617

128.4797,
158.7543, 161.1336

6.8441, 10.8469,
9.9165

6.8441, 10.8469,
9.9165

6.5951, 10.7303,
9.3859

7.1819, 11.0094,
10.4718

6.4539, 10.6644,
9.0676

7.6232, 11.2245,
11.0519

8.1777, 11.4975,
11.6579

8.8539, 11.8328,
12.2902

9.6593, 12.2342,
12.9494

■ 10.6009, 12.7054,
13.6361

■ 11.6852, 13.2497,
14.3508

■ 12.9182, 13.8702,
15.0939

■ 14.3057, 14.5698,
15.8659

Harmonies

Analogous

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



7.5351, 10.8469, 5.8545



6.8441, 10.8469, 9.9165



6.9811, 10.8469, 16.1763

Triad

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



6.8441, 10.8469, 9.9165



11.7387, 10.8469, 26.2281



13.1113, 10.8469, 5.0210

Complementary

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



6.8441, 10.8469, 9.9165



6.3928, 3.5510, 2.2685

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.



14.5569, 10.8469, 8.3106



6.8441, 10.8469, 9.9165



13.6933, 10.8469, 20.8491

Square

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



6.8441, 10.8469, 9.9165



9.6252, 10.8469, 27.1096



14.7832, 10.8469, 13.9313



11.0258, 10.8469, 3.7279

Rectangle

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



6.8441, 10.8469, 9.9165



7.5309, 10.8469, 20.8237



14.7832, 10.8469, 13.9313



13.6995, 10.8469, 5.8655

Sweetspot

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



6.8444, 10.8473, 9.9168



18.6392, 22.5783, 24.1769



6.0465, 10.6047, 2.2588



4.2635, 5.2375, 5.5900



52.6788, 55.4222, 60.3547



5.6320, 5.9254, 6.4527

Same Dimension

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



6.8444, 10.8473, 9.9168



11.5073, 19.0757, 15.9790



5.9881, 7.5530, 14.5074



3.1511, 3.4796, 3.7794



8.1566, 13.4967, 11.4017



41.2011, 68.6276, 56.1995

Inverse Universe

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



6.3928, 3.5510, 2.2685



10.7266, 5.4957, 2.0414



6.6056, 4.4007, 1.0318



3.1279, 3.1281, 3.4041



7.6023, 3.8931, 1.5345



38.4343, 19.7157, 6.2238

Previews

White Background



This preview shows how the XYZ color 6.8441, 10.8469, 9.9165 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 6.8441, 10.8469, 9.9165 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 6.8441, 10.8469, 9.9165

Background



This preview shows how black text looks on a background with the XYZ color 6.8441, 10.8469, 9.9165.



This preview shows how white text looks on a background with the XYZ color 6.8441, 10.8469,

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

6.8441, 10.8469, 9.9165

Protanopia

10.0965, 10.7315, 8.5604

Deuteranopia

10.8456, 10.7002, 10.2978



Tritanopia

8.1613, 10.7905, 16.4045

Trichromacy



Original Color

6.8441, 10.8469, 9.9165

Protanomaly

8.0699, 10.3428, 8.9682

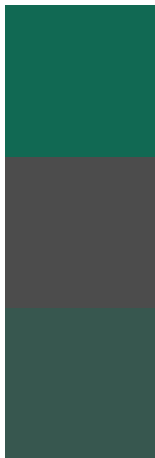
Deuteranomaly

8.4044, 10.2180, 10.1236

Tritanomaly

7.5305, 10.6697, 13.7192

Monochromacy



Original Color

6.8441, 10.8469, 9.9165

Achromatopsia

6.8694, 7.2272, 7.8704

Achromatomaly

6.3950, 8.1931, 8.6415

CSS Examples

Text

The CSS property to change the color of the text to XYZ 6.8441, 10.8469, 9.9165 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(17, 105, 83)` looks like.

```
.text, #text, p{  
    color:rgb(17, 105, 83)  
}
```

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(17, 105, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(17, 105, 83) }
```

Border

The CSS property to change the border of an element to XYZ 6.8441, 10.8469, 9.9165 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(17, 105, 83) }
```


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

```
.border{ border-color:rgb(17, 105, 83) }
```

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

Here you see how a box with a 4 pixel rgb(17, 105, 83) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(17, 105, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(17, 105, 83);  
box-shadow:4px 4px 4px 4px rgb(17, 105,  
83) }
```

Background

The CSS property to change the background color of an element to XYZ 6.8441, 10.8469, 9.9165 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(17, 105, 83) }
```

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

```
.background{ background-color: rgb(17, 105,  
83) }
```

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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