

Converting Colors

XYZ(6.8530, 10.0232, 2.9409)

Have a look what the booklet for
XYZ(6.8530, 10.0232, 2.9409)
contains.

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Color

XYZ(6.8084, 9.9635, 2.9308)

Conversions

Conversions Part 1

Format	Color
Hex	416220
RGB	65, 98, 32
RGB Percent	25%, 38%, 13%
CMY	0.7451, 0.6157, 0.8745
CMYK	0.34, 0.00, 0.67, 0.62
HSL	90°, 51%, 25%
HSV	90°, 67%, 38%
XYZ	6.8084, 9.9635, 2.9308
YIQ	80.6090, 1.5180, -27.5220

Conversions

Conversions Part 2

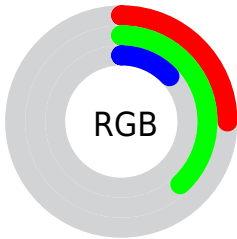
Format	Color
RYB	32, 98, 65
Decimal	4284960
CIELab	37.78, -24.14, 32.78
CIELCh	38, 40.712, 126.372
Yxy	9.9635, 0.3456, 0.5057
Android (android.graphics.Color)	4282475040 (0xFF416220)
YUV	80.6090, -23.9642, -13.6891
Hunter-Lab	31.5650, -16.7373, 16.5905

Details

The XYZ color **6.8084, 9.9635, 2.9308** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **4.9015, 3.0390, 11.8841**, and the grayscale version is **7.7897, 8.1954, 8.9248**.

A 20% lighter version of the original color is **19.2656, 25.7189, 11.5383**, and **1.4333, 2.4963, 0.4063** is the 20% darker color. If you saturate the color by 10%, you get **6.3842, 9.7583, 2.3164**, and if you desaturate by 10%, it is **7.3009, 10.2000, 3.7560**.

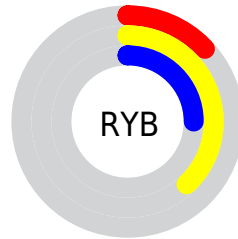
Distribution



Red (25%)

Green (38%)

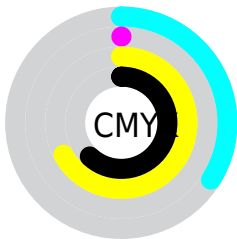
Blue (13%)



Red (13%)

Yellow (38%)

Blue (25%)

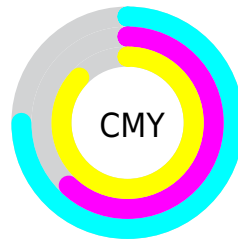


Cyan (34%)

Magenta (0%)

Yellow (67%)

Black (62%)



Cyan (75%)

Magenta (62%)

Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 6.8084, 9.9635, 2.9308 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 6.8084, 9.9635, 2.9308 by changing the saturation by 10% instead.

6.8084, 9.9635,
2.9308

6.8084, 9.9635,
2.9308

160.6417,
190.4114, 135.4743

3.3878, 5.3748,
1.0594

19.2953, 25.7268,
11.4572

1.3620, 2.4688,
0.0000

29.0923, 37.6702,
18.9493

0.2289, 0.8609,
0.0000

41.7455, 52.8339,
29.1520

0.0000, 0.0000,
0.0000

57.6202, 71.6024,
42.4839

77.0818, 94.3599,
59.3636

100.4957,

121.4910, 80.2095

128.2272,
153.3800, 105.4403

6.8084, 9.9635,
2.9308

6.8084, 9.9635,
2.9308

6.3842, 9.7583,
2.3164

7.3009, 10.2000,
3.7560

6.0232, 9.5812,
1.8927

7.8649, 10.4680,
4.8081

5.7123, 9.4273,
1.5933

8.5042, 10.7696,
6.1025

5.6345, 9.3887,
1.5152

9.2220, 11.1061,
7.6531

10.0214, 11.4787,
9.4726

■ 10.9053, 11.8888,
11.5731

■ 11.8763, 12.3374,
13.9657

■ 12.9370, 12.8257,
16.6611

■ 14.0899, 13.3546,
19.6694

Harmonies

Analogous

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



8.9269, 9.9635, 1.9424



6.8084, 9.9635, 2.9308



5.5946, 9.9635, 6.0699

Triad

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



6.8084, 9.9635, 2.9308



7.6076, 9.9635, 29.9142



15.3449, 9.9635, 9.3385

Complementary

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



6.8084, 9.9635, 2.9308



4.9015, 3.0390, 11.8841

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.



14.8166, 9.9635, 17.6431



6.8084, 9.9635, 2.9308



10.0347, 9.9635, 32.1497

Square

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



6.8084, 9.9635, 2.9308



5.9937, 9.9635, 21.7216



12.7480, 9.9635, 26.9024



14.0827, 9.9635, 4.3891

Rectangle

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



6.8084, 9.9635, 2.9308



5.3121, 9.9635, 9.9693



12.7480, 9.9635, 26.9024



15.3737, 9.9635, 11.7781

Sweetspot

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



6.8086, 9.9639, 2.9310



17.0897, 19.8954, 15.5098



7.1884, 6.4819, 2.2389



3.9986, 4.6994, 3.5416



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.



6.8086, 9.9639, 2.9310



10.7907, 16.9059, 3.5709



5.2244, 9.1472, 2.8569



2.6506, 2.9113, 2.7664



7.4526, 12.4761, 2.0153



38.7958, 66.1256, 10.7188

Inverse Universe

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



4.9015, 3.0390, 11.8841



7.1645, 3.7390, 20.5940



7.7585, 4.5118, 12.0178



2.5568, 2.5707, 3.2067



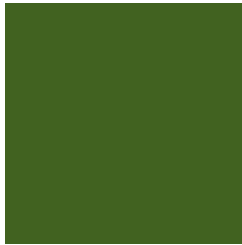
4.5724, 2.0180, 15.5362



23.4095, 10.2563, 82.9505

Previews

White Background



This preview shows how the XYZ color 6.8084, 9.9635, 2.9308 looks on a white background.

Color Contrast Check

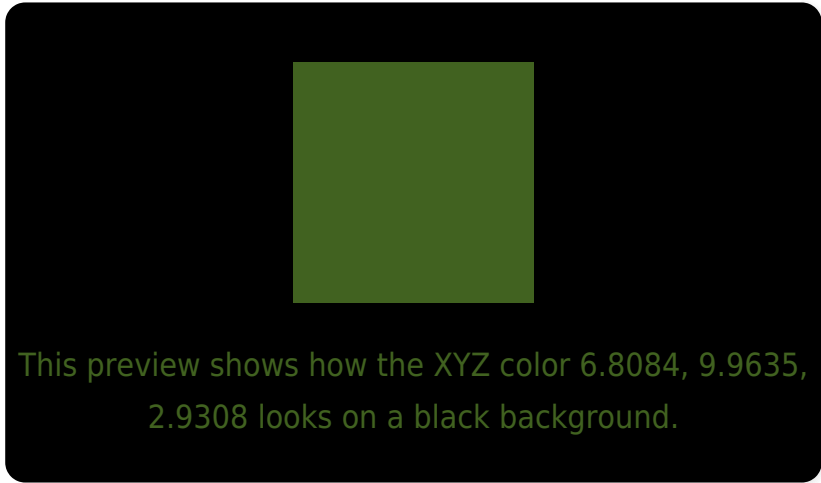
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

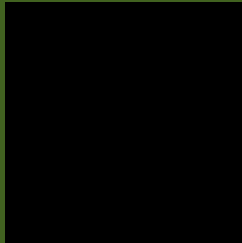
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 6.8084, 9.9635, 2.9308

Background



This preview shows how black text looks on a background with the XYZ color 6.8084, 9.9635, 2.9308.



This preview shows how white text looks on a background with the XYZ color 6.8084, 9.9635, 2.9308.

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

6.8084, 9.9635, 2.9308

Protanopia

8.9523, 9.8911, 2.6656

Deuteranopia

9.9347, 9.7892, 3.1162



Tritanopia

8.9033, 10.0110, 13.2674

Trichromacy



Original Color
6.8084, 9.9635, 2.9308

Protanomaly
8.0049, 9.7795, 2.7620

Deuteranomaly
8.4918, 9.6458, 3.0044

Tritanomaly
7.8712, 9.8530, 8.1436

Monochromacy



Original Color
6.8084, 9.9635, 2.9308

Achromatopsia
7.8210, 8.2283, 8.9606

Achromatomaly
7.2070, 8.6711, 5.9965

CSS Examples

Text

The CSS property to change the color of the text to XYZ 6.8084, 9.9635, 2.9308 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(65, 98, 32)` looks like.

```
.text, #text, p{  
    color:rgb(65, 98, 32)  
}
```

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(65, 98, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 98, 32) }
```

Border

The CSS property to change the border of an element to XYZ 6.8084, 9.9635, 2.9308 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(65, 98, 32) }
```

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

```
.border{ border-color:rgb(65, 98, 32) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 98, 32)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 98, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 98, 32);  
box-shadow:4px 4px 4px 4px rgb(65, 98, 32)  
}
```


Background

The CSS property to change the background color of an element to XYZ 6.8084, 9.9635, 2.9308 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 98, 32) }
```

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

```
.background{ background-color: rgb(65, 98,  
32) }
```

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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