

Converting Colors

XYZ(6.8305, 2.8325, 31.4398)

Have a look what the booklet for
XYZ(6.8305, 2.8325, 31.4398)
contains.

XYZ(6.8758, 2.8514, 31.6405)	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(6.8758, 2.8514,
31.6405)**

Conversions

Conversions Part 1

Format	Color
Hex	28009C
RGB	40, 0, 156
RGB Percent	16%, 0%, 61%
CMY	0.8431, 1.0000, 0.3882
CMYK	0.74, 1.00, 0.00, 0.39
HSL	255°, 100%, 31%
HSV	255°, 100%, 61%
XYZ	6.8758, 2.8514, 31.6405
YIQ	29.7440, -26.2360, 56.9960

Conversions

Conversions Part 2

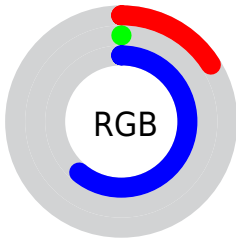
Format	Color
RYB	40, 0, 156
Decimal	2621596
CIELab	19.44, 55.58, -71.37
CIELCh	19, 90.462, 307.911
Yxy	2.8514, 0.1662, 0.0689
Android (android.graphics.Color)	4280811676 (0xFF28009C)
YUV	29.7440, 62.2442, 8.9945
Hunter-Lab	16.8861, 43.1323, -99.2750

Details

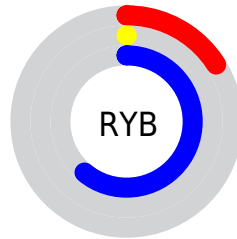
The XYZ color **6.8758, 2.8514, 31.6405** is a dark color, and the websafe version is hex **330099**. A complement of this color would be **19.0900, 27.4896, 4.2999**, and the grayscale version is **1.1784, 1.2398, 1.3501**.

A 20% lighter version of the original color is **19.4601, 10.9054, 63.3666**, and **2.4482, 0.9793, 12.8919** is the 20% darker color. If you saturate the color by 10%, you get **6.8761, 2.8516, 31.6406**, and if you desaturate by 10%, it is **7.5762, 3.4788, 31.7248**.

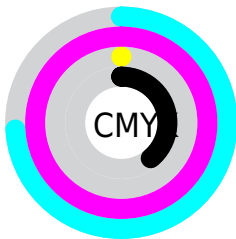
Distribution



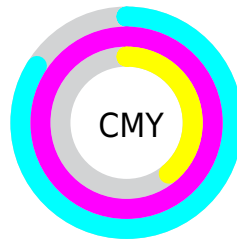
- Red (16%)
- Green (0%)
- Blue (61%)



- Red (16%)
- Yellow (0%)
- Blue (61%)



- Cyan (74%)
- Magenta (100%)
- Yellow (0%)
- Black (39%)



- Cyan (84%)
- Magenta (100%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 6.8758, 2.8514, 31.6405 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 6.8758, 2.8514, 31.6405 by changing the saturation by 10% instead.

6.8758, 2.8514,
31.6405

6.8758, 2.8514,
31.6405

161.1950,
126.4504, 323.9205

3.4302, 1.0547,
20.8245

19.4301, 10.9160,
63.3384

1.3851, 0.0000,
12.8058

29.2695, 17.9527,
85.0574

0.2456, 0.0000,
7.1658

41.9709, 27.5048,
111.2479

0.0000, 0.0000,
3.4860

57.8996, 39.9567,
142.3283

0.0000, 0.0000,
1.3478

77.4210, 55.6928,
178.7172

0.0000, 0.0000,
0.1005


100.9005, 75.0975,


0.0000, 0.0000,


220.8332


0.0000


 128.7034, 98.5553,
269.0948


 6.8758, 2.8514,
31.6405


 6.8758, 2.8514,
31.6405


 6.8761, 2.8516,
31.6406

 7.5762, 3.4788,
31.7248

 8.5591, 4.4543,
31.8613

 9.8958, 5.9054,
32.0709

 11.6203, 7.8869,
32.3625

 13.7626, 10.4460,
32.7435

■ 16.3492, 13.6244,
33.2207

■ 19.4044, 17.4599,
33.8000

■ 22.9507, 21.9874,
34.4870

■ 27.0092, 27.2391,
35.2868

Harmonies

Analogous

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



3.4284, 2.8514, 46.5829



6.8758, 2.8514, 31.6405



10.0678, 2.8514, 11.7129

Triad

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



6.8758, 2.8514, 31.6405



4.9539, 2.8514, 0.0000



0.0000, 2.8514, 5.4158

Complementary

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



6.8758, 2.8514, 31.6405



19.0900, 27.4896, 4.2999

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.



0.0000, 2.8514, 0.0000



6.8758, 2.8514, 31.6405



2.1000, 2.8514, 0.0000

Square

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



6.8758, 2.8514, 31.6405



8.5604, 2.8514, 0.0000



0.6885, 2.8514, 0.0000



0.3031, 2.8514, 21.6227

Rectangle

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



6.8758, 2.8514, 31.6405



10.9314, 2.8514, 3.6349



0.6885, 2.8514, 0.0000



0.0000, 2.8514, 2.6287

Sweetspot

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



6.8761, 2.8516, 31.6406



34.8897, 31.2640, 61.3224



12.3621, 15.1229, 33.7201



7.1827, 6.2558, 13.3993



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



6.8761, 2.8516, 31.6406



12.3316, 5.0981, 57.4608



13.3369, 6.1822, 31.9430



6.4363, 6.5134, 8.3247



5.6922, 2.3635, 26.0634



0.1375, 0.0607, 0.4677

Inverse Universe

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



16.8623, 8.3287, 17.2397



30.5434, 15.0940, 30.8734



12.7252, 24.2084, 4.0020



6.8314, 6.7255, 7.9635



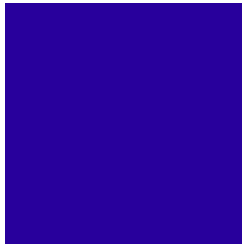
13.9039, 6.8661, 14.2767



0.2645, 0.1291, 0.3391

Previews

White Background



This preview shows how the XYZ color 6.8758, 2.8514, 31.6405 looks on a white background.

Color Contrast Check

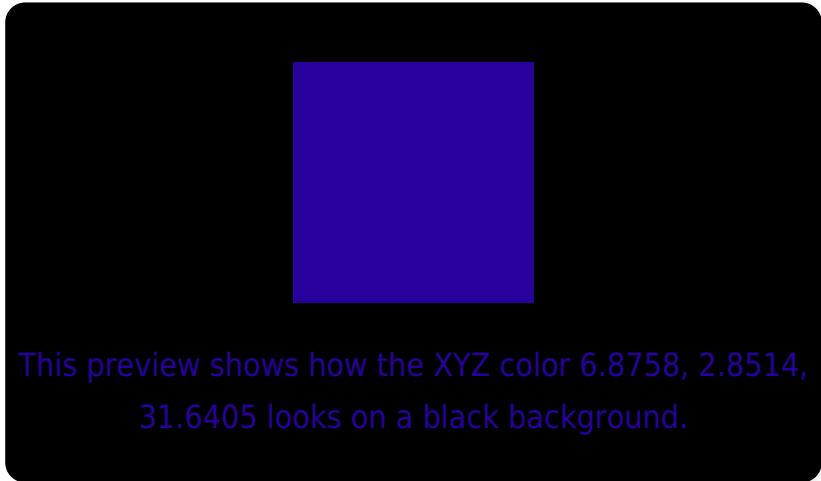
Large Text (above 18pt) WCAG AA ✓ Pass

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

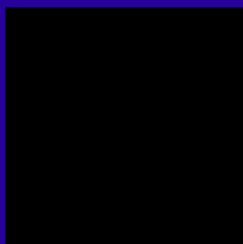
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 6.8758, 2.8514, 31.6405

Background



This preview shows how black text looks on a background with the XYZ color 6.8758, 2.8514, 31.6405.



This preview shows how white text looks on a background with the XYZ color 6.8758, 2.8514,

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

6.8758, 2.8514, 31.6405

Protanopia

3.4966, 3.1559, 12.9952

Deuteranopia

2.9483, 3.1441, 9.4683



Tritanopia

2.2036, 3.1441, 4.6284

Trichromacy



Original Color

6.8758, 2.8514, 31.6405

Protanomaly

4.1998, 2.4867, 18.6710

Deuteranomaly

3.6655, 2.3591, 15.5914

Tritanomaly

2.8483, 2.1715, 10.8587

Monochromacy



Original Color

6.8758, 2.8514, 31.6405

Achromatopsia

1.2340, 1.2983, 1.4139

Achromatomaly

2.1971, 1.3276, 6.9779

CSS Examples

Text

The CSS property to change the color of the text to XYZ 6.8758, 2.8514, 31.6405 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(40, 0, 156)` looks like.

```
.text, #text, p{  
    color:rgb(40, 0, 156)  
}
```

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(40, 0, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 0, 156) }
```

Border

The CSS property to change the border of an element to XYZ 6.8758, 2.8514, 31.6405 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(40, 0, 156) }
```


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

```
.border{ border-color:rgb(40, 0, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(40, 0, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 0, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 0, 156);  
box-shadow:4px 4px 4px 4px rgb(40, 0, 156)  
}
```

Background

The CSS property to change the background color of an element to XYZ 6.8758, 2.8514, 31.6405 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 0, 156) }
```

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

```
.background{ background-color: rgb(40, 0,  
156) }
```

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