

Converting Colors

XYZ(16.0092, 8.3090, 33.5611)

Have a look what the booklet for
XYZ(16.0092, 8.3090, 33.5611)
contains.

XYZ(15.9804, 8.2821, 33.5572)	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(15.9804, 8.2821,
33.5572)**

Conversions

Conversions Part 1

Format	Color
Hex	82209F
RGB	130, 32, 159
RGB Percent	51%, 13%, 62%
CMY	0.4902, 0.8745, 0.3765
CMYK	0.18, 0.80, 0.00, 0.38
HSL	286°, 66%, 37%
HSV	286°, 80%, 62%
XYZ	15.9804, 8.2821, 33.5572
YIQ	75.7800, 17.6410, 60.2730

Conversions

Conversions Part 2

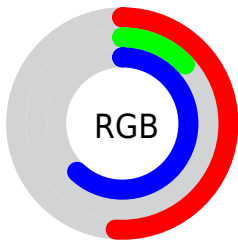
Format	Color
R _Y B	130, 32, 159
Decimal	8528031
CIE _{Lab}	34.56, 58.02, -47.92
CIE _{LCh}	35, 75.246, 320.447
Y _{xy}	8.2821, 0.2764, 0.1432
Android (android.graphics.Color)	4286718111 (0xFF82209F)
YUV	75.7800, 41.0275, 47.5509
Hunter-Lab	28.7786, 48.7561, -48.9898

Details

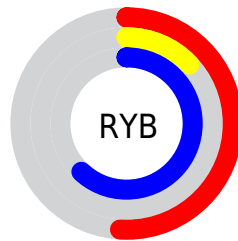
The XYZ color **15.9804, 8.2821, 33.5572** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **14.5837, 25.8929, 5.5961**, and the grayscale version is **6.7553, 7.1071, 7.7396**.

A 20% lighter version of the original color is **35.9597, 22.4389, 66.0542**, and **5.5555, 2.5574, 14.1107** is the 20% darker color. If you saturate the color by 10%, you get **15.1038, 7.3407, 33.4218**, and if you desaturate by 10%, it is **17.0840, 9.6475, 33.7627**.

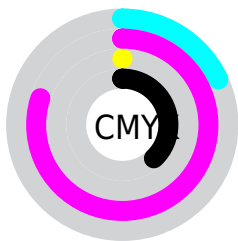
Distribution



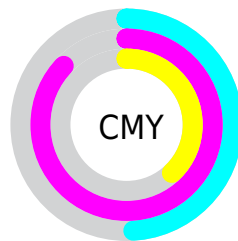
- Red (51%)
- Green (13%)
- Blue (62%)



- Red (51%)
- Yellow (13%)
- Blue (62%)



- Cyan (18%)
- Magenta (80%)
- Yellow (0%)
- Black (38%)



- Cyan (49%)
- Magenta (87%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.9804, 8.2821, 33.5572 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 15.9804, 8.2821, 33.5572 by changing the saturation by 10% instead.

15.9804, 8.2821,
33.5572

15.9804, 8.2821,
33.5572

222.4987,
177.9282, 332.8618

9.6010, 4.2760,
22.2790

36.1219, 22.5096,
66.3705

5.1955, 1.8291,
13.8618

50.6147, 33.4999,
88.7427

2.3983, 0.5052,
7.8870

68.5428, 47.5869,
115.6500

0.8443, 0.0000,
3.9360

90.2714, 65.1551,
147.5109

0.0000, 0.0000,
1.5903

116.1660, 86.5890,
184.7440

0.0000, 0.0000,
0.2839

146.5918,

0.0000, 0.0000,

112.2729, 227.7678

0.0000

181.9143,
142.5911, 277.0009

■ 15.9804, 8.2821,
33.5572

■ 15.9804, 8.2821,
33.5572

■ 15.1038, 7.3407,
33.4218

■ 17.0840, 9.6475,
33.7627

■ 14.3914, 6.6994,
33.3356

■ 18.4401, 11.4887,
34.0466

■ 14.3825, 6.6915,
33.3345

■ 20.0715, 13.8508,
34.4166

■ 21.9983, 16.7737,
34.8792

■ 24.2385, 20.2930,
35.4404

■ 26.8087, 24.4416,
36.1057

■ 29.7240, 29.2498,
36.8801

■ 32.9989, 34.7459,
37.7684

■ 36.6469, 40.9568,
38.7749

Harmonies

Analogous

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



11.0776, 8.2821, 53.3622



15.9804, 8.2821, 33.5572



18.9603, 8.2821, 13.4746

Triad

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



15.9804, 8.2821, 33.5572



9.3040, 8.2821, 0.0000



2.4372, 8.2821, 19.8821

Complementary

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



15.9804, 8.2821, 33.5572



14.5837, 25.8929, 5.5961

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.



2.2584, 8.2821, 5.6712



15.9804, 8.2821, 33.5572



5.3533, 8.2821, 0.0000

Square

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



15.9804, 8.2821, 33.5572



14.2890, 8.2821, 0.1101



3.1103, 8.2821, 0.8163



3.7377, 8.2821, 41.6618

Rectangle

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



15.9804, 8.2821, 33.5572



18.9206, 8.2821, 5.4118



3.1103, 8.2821, 0.8163



2.2680, 8.2821, 13.9492

Sweetspot

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



15.9808, 8.2824, 33.5574



45.8260, 40.2223, 64.0918



8.5568, 6.2163, 33.5499



9.9877, 8.5150, 14.3608



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



15.9808, 8.2824, 33.5574



26.0499, 12.2676, 59.7384



18.5251, 9.8884, 20.3795



6.7559, 6.6782, 8.3396



11.3971, 5.3044, 26.3304



0.2373, 0.1121, 0.4724

Inverse Universe

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



15.6572, 8.7412, 5.2775



26.3514, 13.6421, 4.6781



13.9736, 25.4953, 9.3189



6.6920, 6.6697, 7.2293



11.5622, 5.9294, 1.9453



0.2211, 0.1118, 0.1102

Previews

White Background



This preview shows how the XYZ color 15.9804, 8.2821, 33.5572 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



This preview shows how the XYZ color 15.9804, 8.2821, 33.5572 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

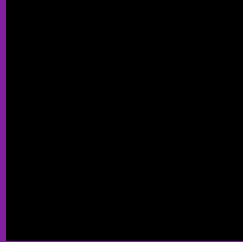
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 15.9804, 8.2821, 33.5572

Background



This preview shows how black text looks on a background with the XYZ color 15.9804, 8.2821, 33.5572.



This preview shows how white text looks on a background with the XYZ color 15.9804, 8.2821,

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

15.9804, 8.2821, 33.5572

Protanopia

9.9365, 8.5645, 38.1752

Deuteranopia

8.5156, 8.4788, 29.2047



Tritanopia

10.7409, 8.4668, 7.3715

Trichromacy



Original Color

15.9804, 8.2821, 33.5572



Protanomaly

9.7413, 6.8760, 36.4111



Deuteranomaly

8.7301, 6.6519, 30.5296



Tritanomaly

11.8909, 7.8694, 13.9889

Monochromacy



Original Color

15.9804, 8.2821, 33.5572



Achromatopsia

6.8694, 7.2272, 7.8704



Achromatomaly

9.0412, 6.7591, 14.4638

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.9804, 8.2821, 33.5572 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(130, 32, 159)` looks like.

```
.text, #text, p{  
    color:rgb(130, 32, 159)  
}
```

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(130, 32, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 32, 159) }
```

Border

The CSS property to change the border of an element to XYZ 15.9804, 8.2821, 33.5572 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(130, 32, 159) }
```


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

```
.border{ border-color:rgb(130, 32, 159) }
```

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

Here you see how a box with a 4 pixel rgb(130, 32, 159) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 32, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 32, 159);  
box-shadow:4px 4px 4px 4px rgb(130, 32,  
159) }
```

Background

The CSS property to change the background color of an element to XYZ 15.9804, 8.2821, 33.5572 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 32, 159) }
```

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

```
.background{ background-color: rgb(130, 32,  
159) }
```

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