

Converting Colors

XYZ(13.2212, 8.1682, 27.8746)

Have a look what the booklet for
XYZ(13.2212, 8.1682, 27.8746)
contains.

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Color

**XYZ(13.3175, 8.2244,
28.0797)**

Conversions

Conversions Part 1

Format	Color
Hex	713692
RGB	113, 54, 146
RGB Percent	44%, 21%, 57%
CMY	0.5569, 0.7882, 0.4274
CMYK	0.23, 0.63, 0.00, 0.43
HSL	278°, 46%, 39%
HSV	278°, 63%, 57%
XYZ	13.3175, 8.2244, 28.0797
YIQ	82.1290, 5.6320, 41.1200

Conversions

Conversions Part 2

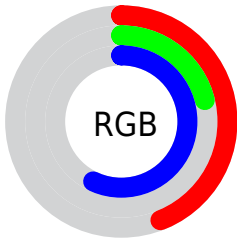
Format	Color
R_{YB}	113, 54, 146
Decimal	7419538
CIE _{Lab}	34.45, 42.26, -40.33
CIE _{LCh}	34, 58.412, 316.338
Yxy	8.2244, 0.2684, 0.1657
Android (android.graphics.Color)	4285609618 (0xFF713692)
YUV	82.1290, 31.4884, 27.0739
Hunter-Lab	28.6782, 32.7044, -37.9779

Details

The XYZ color **13.3175, 8.2244, 28.0797** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **14.8755, 22.8506, 7.1170**, and the grayscale version is **7.9843, 8.4001, 9.1478**.

A 20% lighter version of the original color is **31.4293, 22.3332, 57.9126**, and **3.9900, 1.8183, 10.9671** is the 20% darker color. If you saturate the color by 10%, you get **12.0829, 6.7263, 27.8558**, and if you desaturate by 10%, it is **14.7957, 10.1511, 28.3738**.

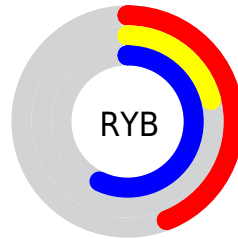
Distribution



Red (44%)

Green (21%)

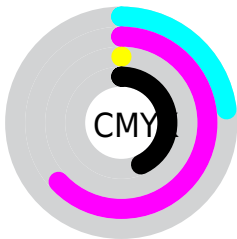
Blue (57%)



Red (44%)

Yellow (21%)

Blue (57%)

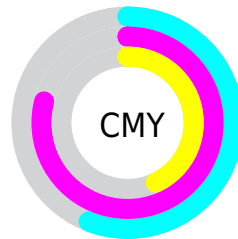


Cyan (23%)

Magenta (63%)

Yellow (0%)

Black (43%)



Cyan (56%)


Magenta (79%)


Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 13.3175, 8.2244, 28.0797 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 13.3175, 8.2244, 28.0797 by changing the saturation by 10% instead.


 13.3175, 8.2244,
28.0797


 13.3175, 8.2244,
28.0797


206.5393,
177.4816, 306.7715


 7.7260, 4.2389,
18.1462

 31.4695, 22.3972,
57.6363


 3.9705, 1.8081,
10.8845


 44.7608, 33.3532,
78.0964


 1.6854, 0.4922,
5.8760

 61.3493, 47.4016,
102.9026

 0.4471, 0.0000,
2.7023

 81.6006, 64.9266,
132.4732

 0.0000, 0.0000,
0.9446

 105.8798, 86.3128,
167.2268

 0.0000, 0.0000,
0.0000

 134.5525,

111.9444, 207.5821

167.9838,
142.2059, 253.9574

■ 13.3175, 8.2244,
28.0797

■ 13.3175, 8.2244,
28.0797

■ 12.0829, 6.7263,
27.8558

■ 14.7957, 10.1511,
28.3738

■ 11.0712, 5.6179,
27.6951

■ 16.5337, 12.5390,
28.7431

■ 10.2598, 4.8542,
27.5905

■ 18.5472, 15.4185,
29.1928

■ 9.7666, 4.4355,
27.5357

■ 20.8505, 18.8170,
29.7274

■ 23.4567, 22.7599,
30.3511

■ 26.3780, 27.2709,
31.0678

■ 29.6261, 32.3723,
31.8813

■ 33.2119, 38.0852,
32.7950

■ 37.1458, 44.4296,
33.8123

Harmonies

Analogous

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



9.7265, 8.2244, 39.8237



13.3175, 8.2244, 28.0797



15.6756, 8.2244, 13.9282

Triad

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



13.3175, 8.2244, 28.0797



9.4015, 8.2244, 0.1839



3.1961, 8.2244, 15.0494

Complementary

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



13.3175, 8.2244, 28.0797



14.8755, 22.8506, 7.1170

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.



3.1544, 8.2244, 5.3337



13.3175, 8.2244, 28.0797



6.1755, 8.2244, 0.2333

Square

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



13.3175, 8.2244, 28.0797



13.0230, 8.2244, 1.2172



4.0879, 8.2244, 1.3815



4.2244, 8.2244, 29.3752

Rectangle

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



13.3175, 8.2244, 28.0797



15.8988, 8.2244, 7.1073



4.0879, 8.2244, 1.3815



3.0787, 8.2244, 11.0979

Sweetspot

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



13.3178, 8.2247, 28.0799



38.3872, 35.6049, 52.8228



10.1778, 9.7957, 28.5486



8.2858, 7.5390, 11.6907



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



13.3178, 8.2247, 28.0799



20.4612, 10.9002, 48.9991



17.4580, 10.4634, 23.5566



5.8356, 5.8062, 7.2829



8.6194, 3.9160, 24.2326



0.1378, 0.0646, 0.2981

Inverse Universe

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



14.8938, 9.4378, 10.0539



24.0064, 13.5373, 12.5909



12.7917, 21.7388, 8.7178



5.8816, 5.8477, 6.4828



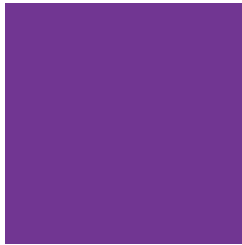
10.9944, 5.6028, 3.4513



0.1477, 0.0738, 0.1115

Previews

White Background



This preview shows how the XYZ color 13.3175, 8.2244, 28.0797 looks on a white background.

Color Contrast Check

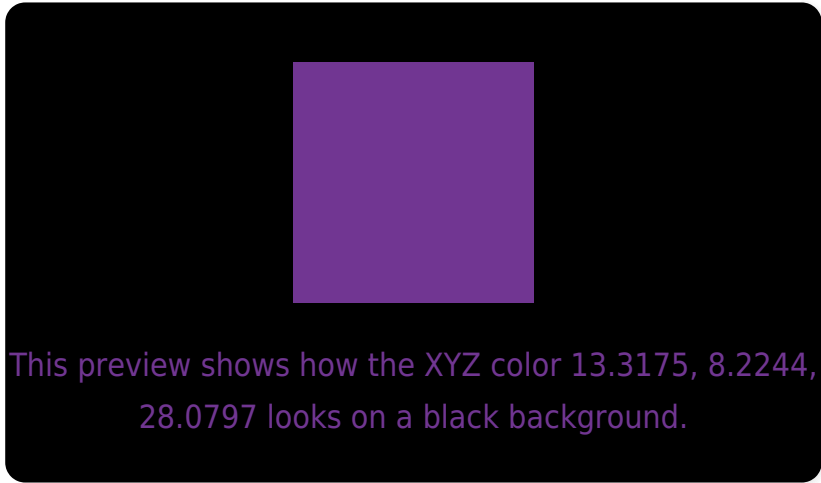
Large Text (above 18pt) WCAG AA ✓ Pass

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

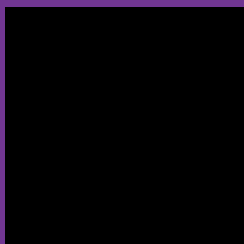
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.3175, 8.2244, 28.0797

Background



This preview shows how black text looks on a background with the XYZ color 13.3175, 8.2244, 28.0797.



This preview shows how white text looks on a background with the XYZ color 13.3175, 8.2244,

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

13.3175, 8.2244, 28.0797

Protanopia

9.7710, 8.3820, 37.6621

Deuteranopia

8.5526, 8.3327, 26.3569



Tritanopia

9.3396, 8.2869, 8.5044

Trichromacy



Original Color

13.3175, 8.2244, 28.0797



Protanomaly

9.3626, 7.3549, 33.7271



Deuteranomaly

9.3896, 7.7079, 26.9795



Tritanomaly

10.3992, 8.0578, 13.8392

Monochromacy



Original Color

13.3175, 8.2244, 28.0797



Achromatopsia

8.0200, 8.4376, 9.1886



Achromatomaly

9.3814, 7.9818, 14.4108

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.3175, 8.2244, 28.0797 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(113, 54, 146)` looks like.

```
.text, #text, p{  
    color:rgb(113, 54, 146)  
}
```

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(113, 54, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 54, 146) }
```

Border

The CSS property to change the border of an element to XYZ 13.3175, 8.2244, 28.0797 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(113, 54, 146) }
```


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

```
.border{ border-color:rgb(113, 54, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 54, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 54, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 54, 146);  
box-shadow:4px 4px 4px 4px rgb(113, 54,  
146) }
```

Background

The CSS property to change the background color of an element to XYZ 13.3175, 8.2244, 28.0797 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 54, 146) }
```

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

```
.background{ background-color: rgb(113, 54,  
146) }
```

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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