

Converting Colors

XYZ(13.3424, 8.2233, 20.2689)

Have a look what the booklet for
XYZ(13.3424, 8.2233, 20.2689)
contains.

XYZ(13.3429, 8.2083, 20.2831)	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(13.3429, 8.2083,
20.2831)**

Conversions

Conversions Part 1

Format	Color
Hex	7D337D
RGB	125, 51, 125
RGB Percent	49%, 20%, 49%
CMY	0.5098, 0.8000, 0.5098
CMYK	0.00, 0.59, 0.00, 0.51
HSL	300°, 42%, 35%
HSV	300°, 59%, 49%
XYZ	13.3429, 8.2083, 20.2831
YIQ	81.5620, 20.3500, 38.7020

Conversions

Conversions Part 2

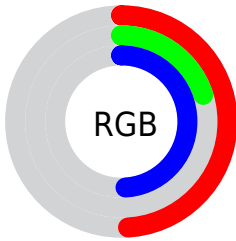
Format	Color
R_{YB}	125, 51, 125
Decimal	8205181
CIE _{Lab}	34.41, 42.56, -27.30
CIE _{LCh}	34, 50.568, 327.320
Yxy	8.2083, 0.3189, 0.1962
Android (android.graphics.Color)	4286395261 (0xFF7D337D)
YUV	81.5620, 21.4149, 38.0951
Hunter-Lab	28.6501, 32.9930, -21.9198

Details

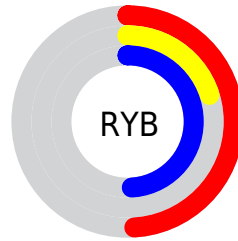
The XYZ color **13.3429, 8.2083, 20.2831** is a dark color, and the websafe version is hex **660066**. A complement of this color would be **9.2967, 15.6103, 5.6555**, and the grayscale version is **7.8888, 8.2996, 9.0383**.

A 20% lighter version of the original color is **31.6096, 22.4204, 44.7810**, and **4.0522, 1.9383, 6.9980** is the 20% darker color. If you saturate the color by 10%, you get **12.8685, 7.2593, 20.1250**, and if you desaturate by 10%, it is **13.9647, 9.4518, 20.4905**.

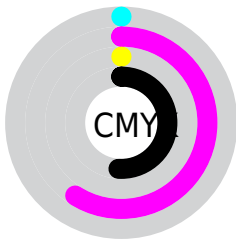
Distribution



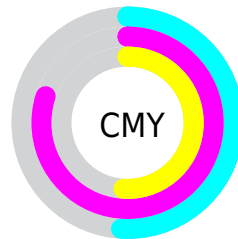
- Red (49%)
- Green (20%)
- Blue (49%)



- Red (49%)
- Yellow (20%)
- Blue (49%)



- Cyan (0%)
- Magenta (59%)
- Yellow (0%)
- Black (51%)




- Cyan (51%)
- Magenta (80%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.3429, 8.2083, 20.2831 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 13.3429, 8.2083, 20.2831 by changing the saturation by 10% instead.


 13.3429, 8.2083,
20.2831

 13.3429, 8.2083,
20.2831


206.6972,
177.3568, 266.0984

 7.7437, 4.2285,
12.4149


 31.5146, 22.3658,
44.7565


 3.9818, 1.8022,
6.9009


 44.8177, 33.3123,
62.1988


 1.6919, 0.4885,
3.3227

 61.4196, 47.3498,
83.6695

 0.4512, 0.0000,
1.2617

 81.6856, 64.8628,
109.5871

 0.0000, 0.0000,
0.0301

 105.9810, 86.2356,
140.3703

 0.0000, 0.0000,
0.0000

 134.6711,

111.8526, 176.4376

168.1214,
142.0982, 218.2074

■ 13.3429, 8.2083,
20.2831

■ 13.3429, 8.2083,
20.2831

■ 12.8685, 7.2593,
20.1250

■ 13.9647, 9.4518,
20.4905

■ 12.5287, 6.5796,
20.0117

■ 14.7439, 11.0101,
20.7502

■ 12.3096, 6.1416,
19.9387

■ 15.6905, 12.9032,
21.0657

■ 12.1701, 5.8625,
19.8922

■ 16.8133, 15.1488,
21.4400

■ 12.1592, 5.8407,
19.8885

■ 18.1207, 17.7637,
21.8759

■ 19.6206, 20.7635,
22.3758

■ 21.3202, 24.1627,
22.9424

■ 23.2265, 27.9753,
23.5778

■ 25.3461, 32.2145,
24.2844

Harmonies

Analogous

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



10.5781, 8.2083, 31.1946



13.3429, 8.2083, 20.2831



14.6053, 8.2083, 9.6869

Triad

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



13.3429, 8.2083, 20.2831



8.0592, 8.2083, 0.6166



3.8941, 8.2083, 18.1786

Complementary

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



13.3429, 8.2083, 20.2831



9.2967, 15.6103, 5.6555

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.



3.5277, 8.2083, 8.2277



13.3429, 8.2083, 20.2831



5.5594, 8.2083, 1.0077

Square

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



13.3429, 8.2083, 20.2831



11.1277, 8.2083, 1.1877



4.0566, 8.2083, 2.8835



5.2148, 8.2083, 29.5462

Rectangle

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



13.3429, 8.2083, 20.2831



14.2423, 8.2083, 5.0514



4.0566, 8.2083, 2.8835



3.6716, 8.2083, 14.4322

Sweetspot

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



13.3432, 8.2087, 20.2833



30.2748, 27.4608, 38.4491



6.2511, 4.5526, 19.9515



6.7664, 6.0063, 8.7058



60.6688, 63.8283, 69.5090



7.9400, 8.3535, 9.0970

Same Dimension

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



13.3432, 8.2087, 20.2833



22.8037, 12.5185, 35.9586



11.4031, 7.4326, 10.0666



4.4982, 4.4124, 5.4279



12.6905, 6.0959, 20.7575



0.0000, 0.0000, 0.0000

Inverse Universe

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



13.3432, 8.2087, 20.2833



22.8037, 12.5185, 35.9586



10.4607, 16.0759, 11.7846



4.4982, 4.4124, 5.4279



12.6905, 6.0959, 20.7575



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 13.3429, 8.2083, 20.2831 looks on a white background.

Color Contrast Check

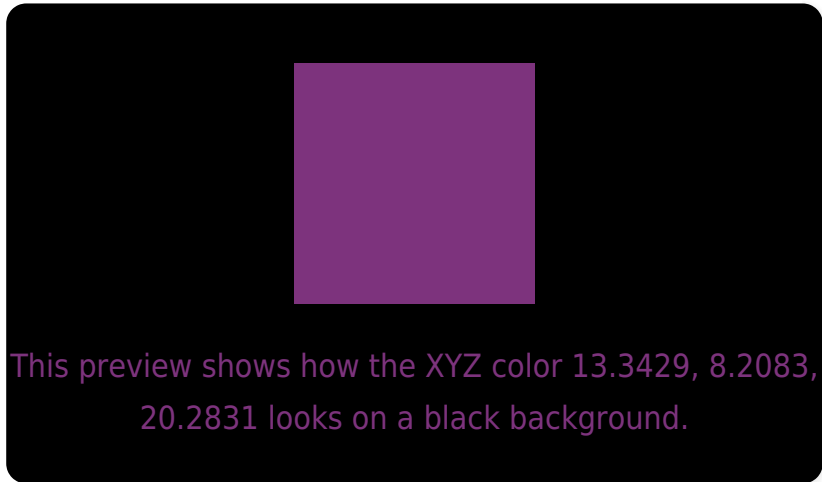
Large Text (above 18pt) WCAG AA ✓ Pass

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

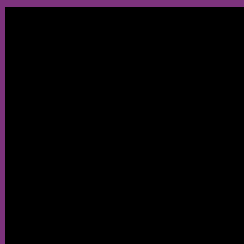
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.3429, 8.2083, 20.2831

Background



This preview shows how black text looks on a background with the XYZ color 13.3429, 8.2083, 20.2831.



This preview shows how white text looks on a background with the XYZ color 13.3429, 8.2083,

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

13.3429, 8.2083, 20.2831

Protanopia

9.4641, 8.3842, 30.3977

Deuteranopia

8.5794, 8.3992, 18.9383



Tritanopia

10.6933, 8.2733, 6.9945

Trichromacy



Original Color

13.3429, 8.2083, 20.2831

Protanomaly

9.8346, 7.6651, 26.5524

Deuteranomaly

9.6335, 7.8117, 19.4124

Tritanomaly

11.4422, 8.1578, 10.8691

Monochromacy



Original Color

13.3429, 8.2083, 20.2831

Achromatopsia

8.0200, 8.4376, 9.1886

Achromatomaly

9.4948, 7.9850, 12.5961

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.3429, 8.2083, 20.2831 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(125, 51, 125)` looks like.

```
.text, #text, p{  
    color:rgb(125, 51, 125)  
}
```

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(125, 51, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 51, 125) }
```

Border

The CSS property to change the border of an element to XYZ 13.3429, 8.2083, 20.2831 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(125, 51, 125) }
```


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

```
.border{ border-color:rgb(125, 51, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 51, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(125, 51, 125); -webkit-box-shadow:4px 4px 4px 4px rgb(125, 51, 125); box-shadow:4px 4px 4px 4px rgb(125, 51, 125) }
```

Background

The CSS property to change the background color of an element to XYZ 13.3429, 8.2083, 20.2831 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 51, 125) }
```

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

```
.background{ background-color: rgb(125, 51,  
125) }
```

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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