

Converting Colors

XYZ(24.8221, 13.3133, 95.8692)

Have a look what the booklet for
XYZ(24.8221, 13.3133, 95.8692)
contains.

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Color

**XYZ(24.8645, 13.3717,
95.8782)**

Conversions

Conversions Part 1

Format	Color
Hex	623FFF
RGB	98, 63, 255
RGB Percent	38%, 25%, 100%
CMY	0.6157, 0.7529, 0.0000
CMYK	0.62, 0.75, 0.00, 0.00
HSL	251°, 100%, 62%
HSV	251°, 75%, 100%
XYZ	24.8645, 13.3717, 95.8782
YIQ	95.3530, -40.7720, 67.1320

Conversions

Conversions Part 2

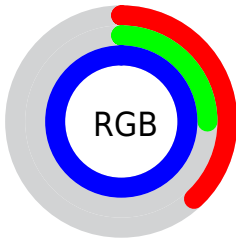
Format	Color
R _Y B	98, 63, 255
Decimal	6438911
CIE Lab	43.32, 64.10, -89.43
CIE LCh	43, 110.025, 305.632
Yxy	13.3717, 0.1854, 0.0997
Android (android.graphics.Color)	4284628991 (0xFF623FFF)
YUV	95.3530, 78.7060, 2.3214
Hunter-Lab	36.5673, 57.3809, -129.8591

Details

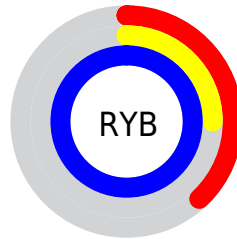
The XYZ color **24.8645, 13.3717, 95.8782** is a dark color, and the websafe version is hex **6633FF**. The color can be described as middle washed purple. A complement of this color would be **66.1693, 87.0929, 18.0255**, and the grayscale version is **10.7866, 11.3484, 12.3584**.

A 20% lighter version of the original color is **39.4906, 27.3740, 97.8101**, and **10.1215, 4.1181, 53.0847** is the 20% darker color. If you saturate the color by 10%, you get **21.8005, 10.1587, 95.4196**, and if you desaturate by 10%, it is **29.1691, 18.1934, 96.5820**.

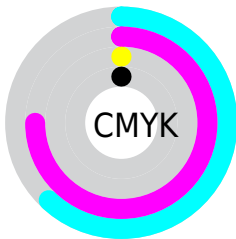
Distribution



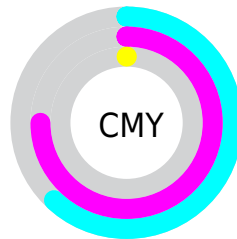
- Red (38%)
- Green (25%)
- Blue (100%)



- Red (38%)
- Yellow (25%)
- Blue (100%)



- Cyan (62%)
- Magenta (75%)
- Yellow (0%)
- Black (0%)





- Cyan (62%)
- Magenta (75%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.8645, 13.3717, 95.8782 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 24.8645, 13.3717, 95.8782 by changing the saturation by 10% instead.


 24.8645, 13.3717,
95.8782


 24.8645, 13.3717,
95.8782


269.5226,
213.2863, 568.0286


 16.1043, 7.6850,
72.2652

 50.8818, 31.9700,
157.4833

 9.6893, 3.8941,
52.8872


 68.8696, 45.6503,
196.3125


 5.2541, 1.6145,
37.3256


 90.6641, 62.7640,
241.0508

 2.4334, 0.3673,
25.1619

 116.6304, 83.6954,
292.1169

 0.8618, 0.0000,
15.9776

 147.1341,
108.8290, 349.9291

 0.0000, 0.0000,
9.3541

182.5405,

 0.0000, 0.0000,

138.5490, 414.9061

4.8729

223.2148,
173.2400, 487.4665

■ 0.0000, 0.0000,
2.1155

■ 0.0000, 0.0000,
0.6250

■ 24.8645, 13.3717,
95.8782

■ 24.8645, 13.3717,
95.8782

■ 21.8005, 10.1587,
95.4196

■ 29.1691, 18.1934,
96.5820

■ 19.8296, 8.3325,
95.1709

■ 34.8333, 24.8044,
97.5596

■ 19.1993, 7.8125,
95.1038

■ 41.9641, 33.3612,
98.8353

■ 50.6570, 44.0029,
100.4312

■ 60.9990, 56.8559,
102.3670

■ 73.0707, 72.0362,
104.6609

■ 86.9473, 89.6519,
107.3297

■ 95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



14.3886, 13.3717, 129.2523



24.8645, 13.3717, 95.8782



34.2790, 13.3717, 43.8256

Triad

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



24.8645, 13.3717, 95.8782



20.7520, 13.3717, 0.0000



2.3755, 13.3717, 19.6752

Complementary

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



24.8645, 13.3717, 95.8782



66.1693, 87.0929, 18.0255

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.



2.8567, 13.3717, 2.5043



24.8645, 13.3717, 95.8782



11.1662, 13.3717, 0.0000

Square

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



24.8645, 13.3717, 95.8782



31.2527, 13.3717, 0.7403



5.3469, 13.3717, 0.0000



3.4943, 13.3717, 62.6758

Rectangle

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



24.8645, 13.3717, 95.8782



37.0924, 13.3717, 18.4394



5.3469, 13.3717, 0.0000



2.3652, 13.3717, 11.2661

Sweetspot

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



24.8653, 13.3719, 95.8782



63.6135, 60.1297, 102.8611



46.4874, 61.0519, 103.9418



12.7438, 11.7790, 21.8519



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



24.8653, 13.3719, 95.8782



20.7471, 9.1425, 95.2789



41.3131, 21.8511, 96.6480



17.3119, 17.5370, 22.7225



10.1204, 4.1277, 49.6979



1.0647, 0.4428, 4.8426

Inverse Universe

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



55.9343, 29.9816, 70.5420



53.6280, 26.7887, 65.3964



45.4094, 76.3908, 17.0539



18.6422, 18.2402, 21.9989



27.5815, 13.5219, 32.7764



2.7208, 1.3307, 3.3771

Previews

White Background



This preview shows how the XYZ color 24.8645, 13.3717, 95.8782 looks on a white background.

Color Contrast Check

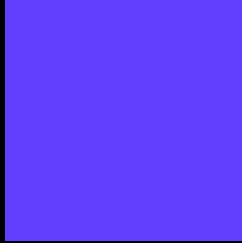
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 24.8645, 13.3717, 95.8782 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

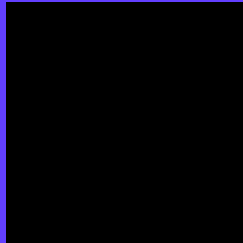
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 24.8645, 13.3717, 95.8782

Background



This preview shows how black text looks on a background with the XYZ color 24.8645, 13.3717, 95.8782.



This preview shows how white text looks on a background with the XYZ color 24.8645, 13.3717,

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

24.8645, 13.3717, 95.8782

Deuteranopia

12.8880, 13.2377, 42.9502

Tritanopia

9.5762, 13.1394, 20.1206

Trichromacy



Original Color

24.8645, 13.3717, 95.8782

Deuteranomaly

15.4032, 12.0952, 59.2804

Tritanomaly

12.5738, 11.5858, 39.6038

Monochromacy



Original Color

24.8645, 13.3717, 95.8782

Achromatopsia

10.8771, 11.4435, 12.4620

Achromatomaly

13.6669, 10.9732, 31.5347

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.8645, 13.3717, 95.8782 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(98, 63, 255) looks like.

```
.text, #text, p{  
    color:rgb(98, 63, 255)  
}
```

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(98, 63, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 63, 255) }
```

Border

The CSS property to change the border of an element to XYZ 24.8645, 13.3717, 95.8782 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(98, 63, 255) }
```

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

```
.border{ border-color:rgb(98, 63, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 63, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 63, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 63, 255);  
box-shadow:4px 4px 4px 4px rgb(98, 63,  
255) }
```


Background

The CSS property to change the background color of an element to XYZ 24.8645, 13.3717, 95.8782 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 63, 255) }
```

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

```
.background{ background-color: rgb(98, 63,  
255) }
```

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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