

Converting Colors

XYZ(32.7483, 25.0143, 85.3071)

Have a look what the booklet for
XYZ(32.7483, 25.0143, 85.3071)
contains.

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Color

**XYZ(32.7612, 25.0426,
85.5451)**

Conversions

Conversions Part 1

Format	Color
Hex	8978F0
RGB	137, 120, 240
RGB Percent	54%, 47%, 94%
CMY	0.4627, 0.5294, 0.0588
CMYK	0.43, 0.50, 0.00, 0.06
HSL	249°, 80%, 71%
HSV	249°, 50%, 94%
XYZ	32.7612, 25.0426, 85.5451
YIQ	138.7630, -28.3880, 40.9240

Conversions

Conversions Part 2

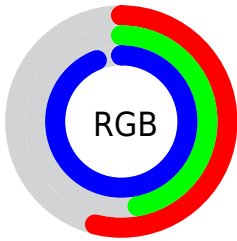
Format	Color
R_{YB}	137, 120, 240
Decimal	9009392
CIE _{Lab}	57.12, 35.41, -58.48
CIE _{LCh}	57, 68.370, 301.195
Yxy	25.0426, 0.2285, 0.1747
Android (android.graphics.Color)	4287199472 (0xFF8978F0)
YUV	138.7630, 49.9098, -1.5462
Hunter-Lab	50.0426, 29.2834, -66.3233

Details

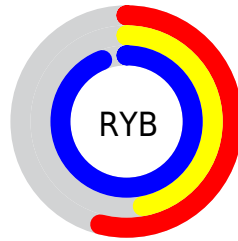
The XYZ color **32.7612, 25.0426, 85.5451** is a light color, and the websafe version is hex **6666CC**. A complement of this color would be **64.9814, 79.3643, 29.6639**, and the grayscale version is **24.2727, 25.5368, 27.8095**.

A 20% lighter version of the original color is **55.4992, 48.7092, 101.0844**, and **14.0249, 9.5876, 45.9111** is the 20% darker color. If you saturate the color by 10%, you get **27.1678, 18.3982, 84.5579**, and if you desaturate by 10%, it is **39.7246, 33.4674, 86.8048**.

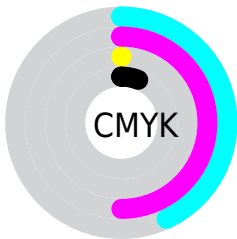
Distribution



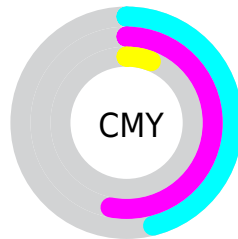
- Red (54%)
- Green (47%)
- Blue (94%)



- Red (54%)
- Yellow (47%)
- Blue (94%)



- Cyan (43%)
- Magenta (50%)
- Yellow (0%)
- Black (6%)



- Cyan (46%)
- Magenta (53%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.7612, 25.0426, 85.5451 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 32.7612, 25.0426, 85.5451 by changing the saturation by 10% instead.

■ 32.7612, 25.0426,
85.5451

■ 32.7612, 25.0426,
85.5451

306.2564,
278.0500, 533.6216

■ 22.1019, 16.1088,
63.7391

■ 63.3597, 51.7263,
143.0154

■ 14.0488, 9.6012,
45.9946

■ 84.0296, 70.2450,
179.5169

■ 8.2366, 5.1353,
31.8929

■ 108.7672, 92.7275,
221.7539

■ 4.2998, 2.3269,
21.0156

137.9377,
119.5581, 270.1451

■ 1.8731, 0.7879,
12.9440

171.9065,
151.1213, 325.1089

■ 0.5611, 0.0000,
7.2597

211.0390,

■ 0.0000, 0.0000,

187.8014, 387.0639

3.5442

255.7005,
229.9828, 456.4286

■ 0.0000, 0.0000,
1.3788

■ 0.0000, 0.0000,
0.1251

■ 32.7612, 25.0426,
85.5451

■ 32.7612, 25.0426,
85.5451

■ 27.1678, 18.3982,
84.5579

■ 39.7246, 33.4674,
86.8048

■ 22.8492, 13.4025,
83.8213

■ 48.1381, 43.7864,
88.3531

■ 19.7031, 9.9095,
83.3129

■ 58.0793, 56.1067,
90.2072

■ 17.6090, 7.7458,
83.0056

■ 69.6194, 70.5267,
92.3823

■ 16.3882, 6.6315,
82.8549

■ 82.8249, 87.1384,
94.8927

■ 16.3882, 6.6315,
82.8549

■ 92.7283, 99.0713,
96.6740

Harmonies

Analogous

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



24.1269, 25.0426, 100.0193



32.7612, 25.0426, 85.5451



40.1202, 25.0426, 54.7153

Triad

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



32.7612, 25.0426, 85.5451



32.0734, 25.0426, 3.9402



11.4310, 25.0426, 28.2033

Complementary

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



32.7612, 25.0426, 85.5451



64.9814, 79.3643, 29.6639

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.



12.6450, 25.0426, 10.9906



32.7612, 25.0426, 85.5451



23.4805, 25.0426, 2.6157

Square

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



32.7612, 25.0426, 85.5451



39.6642, 25.0426, 10.1388



16.6464, 25.0426, 4.2007



12.8582, 25.0426, 57.3057

Rectangle

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



32.7612, 25.0426, 85.5451



42.6268, 25.0426, 34.6370



16.6464, 25.0426, 4.2007



11.5413, 25.0426, 21.0247

Sweetspot

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



32.7623, 25.0435, 85.5457



72.9747, 72.2733, 104.7117



50.1301, 63.5963, 92.0718



15.0296, 14.7328, 22.3015



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.



32.7623, 25.0435, 85.5457



31.0672, 20.9839, 97.0206



45.2102, 31.4606, 86.1283



15.1056, 15.3361, 19.8856



9.0362, 3.6637, 45.3588



0.8158, 0.3378, 3.7764

Inverse Universe

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



55.9711, 37.2864, 74.0575



60.7453, 36.6643, 81.2069



49.8607, 71.5694, 28.9562



16.3523, 15.9906, 19.4115



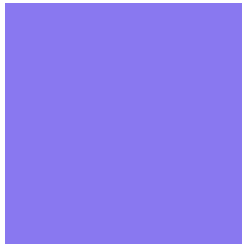
25.8074, 12.5954, 33.2320



2.1731, 1.0583, 2.9024

Previews

White Background



This preview shows how the XYZ color 32.7612, 25.0426, 85.5451 looks on a white background.

Color Contrast Check

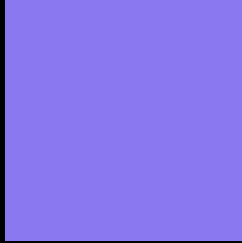
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 32.7612, 25.0426, 85.5451 looks on a black 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

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

XYZ 32.7612, 25.0426, 85.5451

Background



This preview shows how black text looks on a background with the XYZ color 32.7612, 25.0426, 85.5451.



This preview shows how white text looks on a background with the XYZ color 32.7612, 25.0426,

85.5451.

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

32.7612, 25.0426, 85.5451

Protanopia

29.0188, 25.3628, 96.2946

Deuteranopia

26.0923, 25.1937, 82.8445



Tritanopia

22.2626, 24.9616, 33.3505

Trichromacy



Original Color

32.7612, 25.0426, 85.5451

Protanomaly

29.6995, 24.8123, 92.0309

Deuteranomaly

27.4269, 24.4217, 83.3891

Tritanomaly

25.2076, 24.4467, 48.7375

Monochromacy



Original Color

32.7612, 25.0426, 85.5451

Achromatopsia

24.5403, 25.8183, 28.1161

Achromatomaly

26.5690, 25.0404, 44.5072

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.7612, 25.0426, 85.5451 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(137, 120, 240)` looks like.

```
.text, #text, p{  
    color:rgb(137, 120, 240)  
}
```

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(137, 120, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 120, 240) }
```

Border

The CSS property to change the border of an element to XYZ 32.7612, 25.0426, 85.5451 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(137, 120, 240) }
```


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

```
.border{ border-color:rgb(137, 120, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 120, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 120, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 120, 240);  
box-shadow:4px 4px 4px 4px rgb(137, 120,  
240) }
```

Background

The CSS property to change the background color of an element to XYZ 32.7612, 25.0426, 85.5451 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 120, 240) }
```

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

```
.background{ background-color: rgb(137,  
120, 240) }
```

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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