

Converting Colors

XYZ(32.5902, 24.1171, 80.7796)

Have a look what the booklet for
XYZ(32.5902, 24.1171, 80.7796)
contains.

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Color

**XYZ(32.6591, 24.2217,
80.7958)**

Conversions

Conversions Part 1

Format	Color
Hex	9173EA
RGB	145, 115, 234
RGB Percent	57%, 45%, 92%
CMY	0.4314, 0.5490, 0.0824
CMYK	0.38, 0.51, 0.00, 0.08
HSL	255°, 74%, 68%
HSV	255°, 51%, 92%
XYZ	32.6591, 24.2217, 80.7958
YIQ	137.5360, -20.3190, 43.3690

Conversions

Conversions Part 2

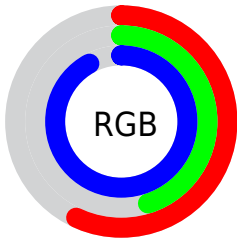
Format	Color
R_{YB}	145, 115, 234
Decimal	9532394
CIE _{Lab}	56.31, 38.53, -56.40
CIE _{LCh}	56, 68.302, 304.341
Yxy	24.2217, 0.2372, 0.1759
Android (android.graphics.Color)	4287722474 (0xFF9173EA)
YUV	137.5360, 47.5568, 6.5459
Hunter-Lab	49.2155, 32.3242, -62.8839

Details

The XYZ color **32.6591, 24.2217, 80.7958** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **57.4189, 72.9209, 27.2691**, and the grayscale version is **23.8125, 25.0526, 27.2823**.

A 20% lighter version of the original color is **56.4098, 47.7818, 100.8574**, and **13.9085, 9.1455, 42.6272** is the 20% darker color. If you saturate the color by 10%, you get **27.4717, 18.0768, 79.8836**, and if you desaturate by 10%, it is **39.0006, 31.9674, 81.9571**.

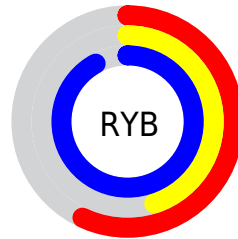
Distribution



Red (57%)

Green (45%)

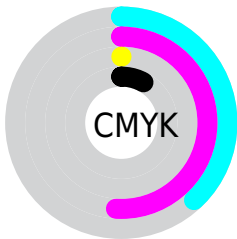
Blue (92%)



Red (57%)

Yellow (45%)

Blue (92%)

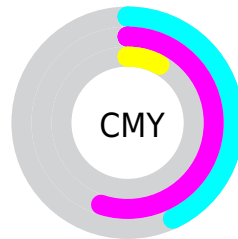


Cyan (38%)

Magenta (51%)

Yellow (0%)

Black (8%)



Cyan (43%)

Magenta (55%)

Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.6591, 24.2217, 80.7958 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 32.6591, 24.2217, 80.7958 by changing the saturation by 10% instead.

■ 32.6591, 24.2217,
80.7958

■ 32.6591, 24.2217,
80.7958

305.8030,
273.9394, 517.3880

■ 22.0234, 15.4982,
59.8434

■ 63.2012, 50.3917,
136.3055

■ 13.9908, 9.1697,
42.8680

■ 83.8383, 68.6070,
171.6999

■ 8.1959, 4.8521,
29.4509

■ 108.5399, 90.7550,
212.7454

■ 4.2734, 2.1607,
19.1737

■ 137.6714,
117.2201, 259.8605

■ 1.8580, 0.6985,
11.6178

171.5981,
148.3867, 313.4638

■ 0.5522, 0.0000,
6.3646

210.6853,

■ 0.0000, 0.0000,

184.6392, 373.9738

2.9957

255.2985,
226.3620, 441.8090

■ 0.0000, 0.0000,
1.0924

■ 0.0000, 0.0000,
0.0000

■ 32.6591, 24.2217,
80.7958

■ 32.6591, 24.2217,
80.7958

■ 27.4717, 18.0768,
79.8836

■ 39.0006, 31.9674,
81.9571

■ 23.3616, 13.4145,
79.2003

■ 46.5604, 41.4154,
83.3823

■ 20.2463, 10.1035,
78.7254

■ 55.4011, 52.6617,
85.0871

■ 18.0288, 7.9877,
78.4339

■ 65.5803, 65.7944,
87.0855

■ 16.6548, 6.8703,
78.2906

■ 77.1518, 80.8956,
89.3904

■ 90.0380, 97.7857,
91.9714

■ 91.8514, 98.7205,
92.0562

Harmonies

Analogous

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



24.1868, 24.2217, 97.5063



32.6591, 24.2217, 80.7958



39.5371, 24.2217, 49.9476

Triad

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



32.6591, 24.2217, 80.7958



30.2173, 24.2217, 3.4202



10.9877, 24.2217, 29.7923

Complementary

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



32.6591, 24.2217, 80.7958



57.4189, 72.9209, 27.2691

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.



11.8967, 24.2217, 11.7044



32.6591, 24.2217, 80.7958



21.8952, 24.2217, 2.4633

Square

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



32.6591, 24.2217, 80.7958



37.9168, 24.2217, 8.6995



15.4959, 24.2217, 4.3316



12.6498, 24.2217, 59.1615

Rectangle

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



32.6591, 24.2217, 80.7958



41.6068, 24.2217, 30.8826



15.4959, 24.2217, 4.3316



11.0062, 24.2217, 22.3259

Sweetspot

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



32.6601, 24.2226, 80.7964



74.2861, 72.9494, 104.7731



43.5744, 52.8906, 85.7546



15.3416, 14.8937, 22.3161



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.



32.6601, 24.2226, 80.7964



33.1467, 21.6896, 97.0472



45.9530, 31.0753, 81.4185



14.5871, 14.7324, 18.9971



9.4565, 3.9109, 43.9994



0.8288, 0.3516, 3.4590

Inverse Universe

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



50.9617, 34.1140, 61.0242



58.1111, 35.2158, 68.5527



44.1509, 66.0810, 26.6481



15.5431, 15.2451, 18.1454



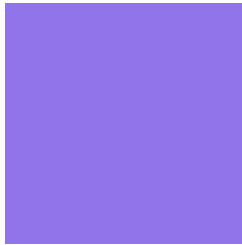
23.4694, 11.5904, 24.0709



1.8811, 0.9254, 2.0913

Previews

White Background



This preview shows how the XYZ color 32.6591, 24.2217, 80.7958 looks on a white background.

Color Contrast Check

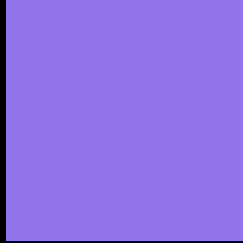
Large Text (above 18pt) WCAG AA ✓ Pass

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 32.6591, 24.2217, 80.7958 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

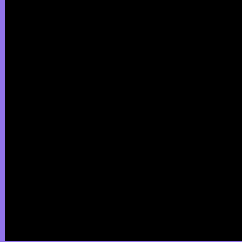
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 32.6591, 24.2217, 80.7958

Background



This preview shows how black text looks on a background with the XYZ color 32.6591, 24.2217, 80.7958.



This preview shows how white text looks on a background with the XYZ color 32.6591, 24.2217,

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

32.6591, 24.2217, 80.7958

Protanopia

28.1193, 24.5512, 93.6993

Deuteranopia

25.1938, 24.4237, 77.5151



Tritanopia

22.5281, 24.0749, 31.0633

Trichromacy



Original Color

32.6591, 24.2217, 80.7958



Protanomaly

28.8083, 23.8515, 88.6734



Deuteranomaly

26.8623, 23.6408, 78.7486



Tritanomaly

25.3716, 23.5985, 45.8656

Monochromacy



Original Color

32.6591, 24.2217, 80.7958



Achromatopsia

24.1572, 25.4152, 27.6772



Achromatomaly

26.5100, 24.6451, 42.8949

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.6591, 24.2217, 80.7958 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(145, 115, 234)` looks like.

```
.text, #text, p{  
    color:rgb(145, 115, 234)  
}
```

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(145, 115, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 115, 234) }
```

Border

The CSS property to change the border of an element to XYZ 32.6591, 24.2217, 80.7958 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(145, 115, 234) }
```


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

```
.border{ border-color:rgb(145, 115, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 115, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 115, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 115, 234);  
box-shadow:4px 4px 4px 4px rgb(145, 115,  
234) }
```

Background

The CSS property to change the background color of an element to XYZ 32.6591, 24.2217, 80.7958 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 115, 234) }
```

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

```
.background{ background-color: rgb(145,  
115, 234) }
```

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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