

Converting Colors

XYZ(31.4495, 23.8391, 85.3819)

Have a look what the booklet for
XYZ(31.4495, 23.8391, 85.3819)
contains.

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Color

**XYZ(31.4495, 23.8391,
85.3819)**

Conversions

Conversions Part 1

Format	Color
Hex	8375F0
RGB	131, 117, 240
RGB Percent	51%, 46%, 94%
CMY	0.4863, 0.5412, 0.0588
CMYK	0.45, 0.51, 0.00, 0.06
HSL	247°, 80%, 70%
HSV	247°, 51%, 94%
XYZ	31.4495, 23.8391, 85.3819
YIQ	135.2080, -31.1390, 41.2210

Conversions

Conversions Part 2

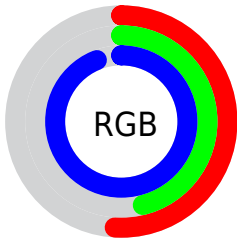
Format	Color
R_{YB}	131, 117, 240
Decimal	8615408
CIE _{Lab}	55.93, 35.80, -60.42
CIE _{LCh}	56, 70.230, 300.649
Yxy	23.8391, 0.2236, 0.1695
Android (android.graphics.Color)	4286805488 (0xFF8375F0)
YUV	135.2080, 51.6625, -3.6904
Hunter-Lab	48.8253, 29.5317, -69.5040

Details

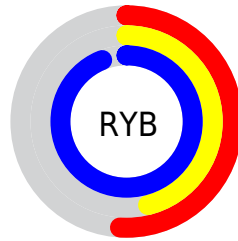
The XYZ color **31.4495, 23.8391, 85.3819** is a light color, and the websafe version is hex **6666CC**. A complement of this color would be **65.7344, 79.7733, 28.7633**, and the grayscale version is **22.9297, 24.1238, 26.2708**.

A 20% lighter version of the original color is **53.2242, 46.4148, 100.7615**, and **13.2869, 8.9309, 45.8233** is the 20% darker color. If you saturate the color by 10%, you get **26.0405, 17.4184, 84.4282**, and if you desaturate by 10%, it is **38.2533, 32.0432, 86.6074**.

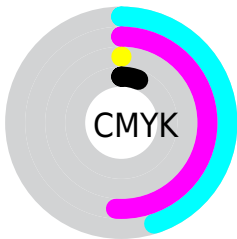
Distribution



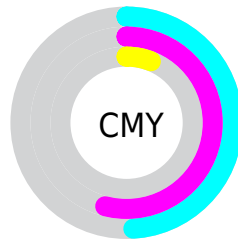
- Red (51%)
- Green (46%)
- Blue (94%)



- Red (51%)
- Yellow (46%)
- Blue (94%)



- Cyan (45%)
- Magenta (51%)
- Yellow (0%)
- Black (6%)



- Cyan (49%)
- Magenta (54%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.4495, 23.8391, 85.3819 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 31.4495, 23.8391, 85.3819 by changing the saturation by 10% instead.

■ 31.4495, 23.8391,
85.3819

■ 31.4495, 23.8391,
85.3819

300.3939,
272.0060, 533.0684

■ 21.0949, 15.2143,
63.6050

■ 61.3181, 49.7675,
142.7855

■ 13.3062, 8.9699,
45.8867

■ 81.5628, 67.8399,
179.2493

■ 7.7182, 4.7216,
31.8084

■ 105.8349, 89.8303,
221.4459

■ 3.9654, 2.0848,
20.9516

134.4998,
116.1231, 269.7937

■ 1.6826, 0.6561,
12.8977

167.9227,
147.1027, 324.7113

■ 0.4453, 0.0000,
7.2283

206.4692,

■ 0.0000, 0.0000,

183.1534, 386.6173

3.5247

250.5044,
224.6597, 455.9301

■ 0.0000, 0.0000,
1.3684

■ 0.0000, 0.0000,
0.1169

■ 31.4495, 23.8391,
85.3819

■ 31.4495, 23.8391,
85.3819

■ 26.0405, 17.4184,
84.4282

■ 38.2533, 32.0432,
86.6074

■ 21.9256, 12.6454,
83.7238

■ 46.5370, 42.1481,
88.1212

■ 18.9953, 9.3686,
83.2457

■ 56.3823, 54.2637,
89.9408

■ 17.1202, 7.4070,
82.9659

■ 67.8642, 68.4911,
92.0818

■ 16.1889, 6.5288,
82.8455

■ 81.0527, 84.9244,
94.5587

■ 92.7283, 99.0713,
96.6739

Harmonies

Analogous

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



22.8333, 23.8391, 99.7384



31.4495, 23.8391, 85.3819



38.9046, 23.8391, 54.1277

Triad

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



31.4495, 23.8391, 85.3819



31.0749, 23.8391, 3.3703



10.4854, 23.8391, 26.4597

Complementary

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



31.4495, 23.8391, 85.3819



65.7344, 79.7733, 28.7633

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.



11.7123, 23.8391, 9.7861



31.4495, 23.8391, 85.3819



22.4843, 23.8391, 2.1177

Square

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



31.4495, 23.8391, 85.3819



38.6549, 23.8391, 9.3413



15.6802, 23.8391, 3.5000



11.8251, 23.8391, 55.5528

Rectangle

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



31.4495, 23.8391, 85.3819



41.5011, 23.8391, 33.8014



15.6802, 23.8391, 3.5000



10.6077, 23.8391, 19.4306

Sweetspot

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



31.4505, 23.8399, 85.3825



72.6491, 72.1055, 104.6965



50.7257, 65.3956, 92.3876



14.9523, 14.6930, 22.2979



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.



31.4505, 23.8399, 85.3825



29.9121, 20.0221, 96.8959



43.5256, 30.0648, 85.9476



15.0643, 15.3149, 19.8837



8.9170, 3.6023, 45.3532



0.7962, 0.3277, 3.7755

Inverse Universe

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



56.0240, 36.7391, 76.0882



61.0732, 36.4006, 84.1508



50.1393, 71.7337, 28.0334



16.3722, 15.9986, 19.5163



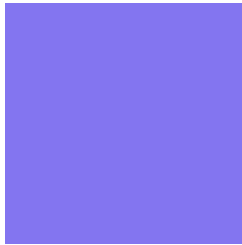
26.2552, 12.7745, 35.5903



2.2060, 1.0715, 3.0758

Previews

White Background



This preview shows how the XYZ color 31.4495, 23.8391, 85.3819 looks on a white background.

Color Contrast Check

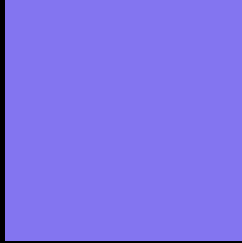
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.4495, 23.8391, 85.3819 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

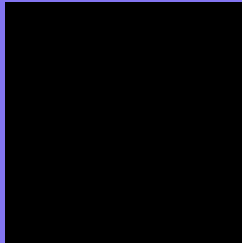
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 31.4495, 23.8391, 85.3819

Background



This preview shows how black text looks on a background with the XYZ color 31.4495, 23.8391, 85.3819.



This preview shows how white text looks on a background with the XYZ color 31.4495, 23.8391,

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

31.4495, 23.8391, 85.3819

Protanopia

27.9590, 24.2154, 96.1289

Deuteranopia

24.9832, 24.1999, 82.7112



Tritanopia

20.8010, 23.7930, 32.3503

Trichromacy



Original Color

31.4495, 23.8391, 85.3819

Protanomaly

28.4933, 23.6182, 91.8639

Deuteranomaly

26.1168, 23.3514, 83.2515

Tritanomaly

23.8660, 23.3645, 48.0517

Monochromacy



Original Color

31.4495, 23.8391, 85.3819

Achromatopsia

23.0288, 24.2281, 26.3844

Achromatomaly

25.0935, 23.5238, 42.7531

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.4495, 23.8391, 85.3819 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(131, 117, 240)` looks like.

```
.text, #text, p{  
    color:rgb(131, 117, 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(131, 117, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 117, 240) }
```

Border

The CSS property to change the border of an element to XYZ 31.4495, 23.8391, 85.3819 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(131, 117, 240) }
```


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

```
.border{ border-color:rgb(131, 117, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 117, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 117, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 117, 240);  
box-shadow:4px 4px 4px 4px rgb(131, 117,  
240) }
```

Background

The CSS property to change the background color of an element to XYZ 31.4495, 23.8391, 85.3819 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 117, 240) }
```

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

```
.background{ background-color: rgb(131,  
117, 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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