

Converting Colors

XYZ(34.6153, 23.9732, 85.0083)

Have a look what the booklet for
XYZ(34.6153, 23.9732, 85.0083)
contains.

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Color

**XYZ(34.6083, 23.9850,
85.2436)**

Conversions

Conversions Part 1

Format	Color
Hex	9B6CF0
RGB	155, 108, 240
RGB Percent	61%, 42%, 94%
CMY	0.3921, 0.5765, 0.0588
CMYK	0.35, 0.55, 0.00, 0.06
HSL	261°, 81%, 68%
HSV	261°, 55%, 94%
XYZ	34.6083, 23.9850, 85.2436
YIQ	137.1010, -14.3600, 51.0160

Conversions

Conversions Part 2

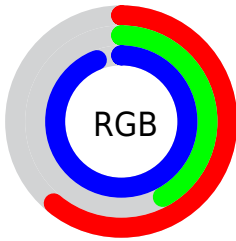
Format	Color
R _Y B	155, 108, 240
Decimal	10185968
CIE Lab	56.07, 46.38, -60.07
CIE LCh	56, 75.890, 307.674
Yxy	23.9850, 0.2406, 0.1668
Android (android.graphics.Color)	4288376048 (0xFF9B6CF0)
YUV	137.1010, 50.7292, 15.6974
Hunter-Lab	48.9745, 40.4334, -68.9164

Details

The XYZ color **34.6083, 23.9850, 85.2436** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **55.8594, 74.7407, 25.6703**, and the grayscale version is **23.6352, 24.8660, 27.0791**.

A 20% lighter version of the original color is **58.2354, 46.8559, 100.5825**, and **15.0973, 9.0417, 45.7492** is the 20% darker color. If you saturate the color by 10%, you get **29.6382, 18.1687, 84.3834**, and if you desaturate by 10%, it is **40.6566, 31.3917, 86.3549**.

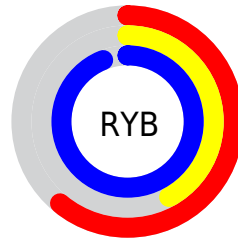
Distribution



Red (61%)

Green (42%)

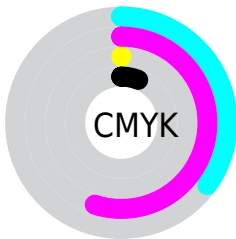
Blue (94%)



Red (61%)

Yellow (42%)

Blue (94%)

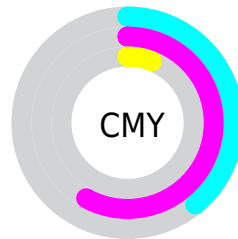


Cyan (35%)

Magenta (55%)

Yellow (0%)

Black (6%)



Cyan (39%)


Magenta (58%)


Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.6083, 23.9850, 85.2436 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 34.6083, 23.9850, 85.2436 by changing the saturation by 10% instead.


 34.6083, 23.9850,
85.2436

 34.6083, 23.9850,
85.2436


314.3744,
272.7446, 532.5994


 23.5264, 15.3225,
63.4914


 66.2165, 50.0057,
142.5907


 15.1055, 9.0460,
45.7953


 87.4736, 68.1327,
179.0226

 8.9803, 4.7712,
31.7368


 112.8531, 90.1834,
221.1848

 4.7853, 2.1137,
20.8974

 142.7204,
116.5420, 269.4958

 2.1553, 0.6723,
12.8585

177.4408,
147.5931, 324.3743

 0.7190, 0.0000,
7.2016

217.3797,

 0.0000, 0.0000,

183.7209, 386.2387

3.5082

262.9024,
225.3100, 455.5075

■ 0.0000, 0.0000,
1.3596

■ 0.0000, 0.0000,
0.1099

■ 34.6083, 23.9850,
85.2436

■ 34.6083, 23.9850,
85.2436

■ 29.6382, 18.1687,
84.3834

■ 40.6566, 31.3917,
86.3549

■ 25.6702, 13.8154,
83.7522

■ 47.8455, 40.4972,
87.7336

■ 22.6218, 10.7817,
83.3273

■ 56.2361, 51.4032,
89.3964

■ 20.3929, 8.8912,
83.0799

■ 65.8837, 64.2025,
91.3584

■ 19.5163, 8.2441,
83.0012

■ 76.8404, 78.9815,
93.6336

■ 89.1550, 95.8208,
96.2349

■ 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.



25.1016, 23.9850, 108.0261



34.6083, 23.9850, 85.2436



42.0072, 23.9850, 48.8347

Triad

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



34.6083, 23.9850, 85.2436



29.7508, 23.9850, 2.1505



9.9246, 23.9850, 33.0404

Complementary

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



34.6083, 23.9850, 85.2436



55.8594, 74.7407, 25.6703

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.



10.5716, 23.9850, 11.8301



34.6083, 23.9850, 85.2436



20.6380, 23.9850, 1.6064

Square

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



34.6083, 23.9850, 85.2436



38.7424, 23.9850, 6.4295



14.0348, 23.9850, 3.6008



11.9654, 23.9850, 67.6321

Rectangle

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



34.6083, 23.9850, 85.2436



43.8966, 23.9850, 28.1059



14.0348, 23.9850, 3.6008



9.8468, 23.9850, 24.2215

Sweetspot

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



34.6093, 23.9859, 85.2442



74.3735, 72.0277, 104.5906



41.1605, 47.9748, 89.5292



15.4106, 14.7389, 22.2826



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.



34.6093, 23.9859, 85.2442



33.3998, 20.1565, 96.7380



50.6671, 32.2640, 85.9957



15.4284, 15.5025, 19.9007



10.8147, 4.5806, 45.4420



1.0043, 0.4350, 3.7852

Inverse Universe

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



50.9238, 33.1012, 54.1570



54.4825, 31.9713, 54.9724



42.7395, 67.9772, 25.0563



16.2014, 15.9303, 18.6169



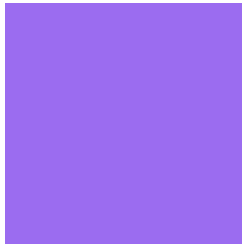
22.9549, 11.4544, 18.2107



1.9568, 0.9718, 1.7635

Previews

White Background



This preview shows how the XYZ color 34.6083, 23.9850, 85.2436 looks on a white background.

Color Contrast Check

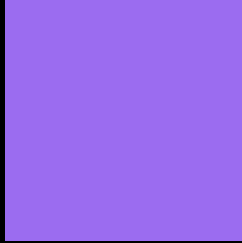
Large Text (above 18pt) WCAG AA ✓ Pass

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 34.6083, 23.9850, 85.2436 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

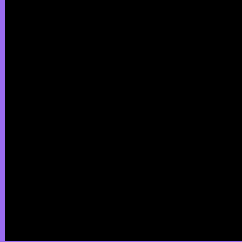
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 34.6083, 23.9850, 85.2436

Background



This preview shows how black text looks on a background with the XYZ color 34.6083, 23.9850, 85.2436.



This preview shows how white text looks on a background with the XYZ color 34.6083, 23.9850,

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

34.6083, 23.9850, 85.2436

Protanopia

28.2126, 24.3091, 97.8129

Deuteranopia

25.1236, 24.3057, 81.2092



Tritanopia

23.3371, 23.9091, 29.3715

Trichromacy



Original Color

34.6083, 23.9850, 85.2436



Protanomaly

29.2519, 23.4179, 93.4208



Deuteranomaly

26.8176, 23.1515, 82.4121



Tritanomaly

26.3989, 23.3804, 45.2410

Monochromacy



Original Color

34.6083, 23.9850, 85.2436



Achromatopsia

23.7775, 25.0158, 27.2422



Achromatomaly

26.6024, 23.9070, 43.2568

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.6083, 23.9850, 85.2436 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(155, 108, 240)` looks like.

```
.text, #text, p{  
    color:rgb(155, 108, 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(155, 108, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 108, 240) }
```

Border

The CSS property to change the border of an element to XYZ 34.6083, 23.9850, 85.2436 is called "border". The border property can be set on classes, ids or directly on the HTML element.

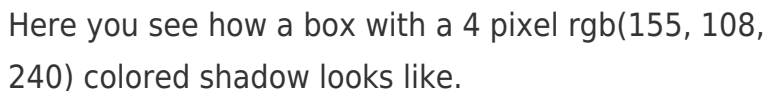
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(155, 108, 240) }
```


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

```
.border{ border-color:rgb(155, 108, 240) }
```

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



Here you see how a box with a 4 pixel `rgb(155, 108, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(155, 108, 240); -webkit-box-shadow:4px 4px 4px 4px rgb(155, 108, 240); box-shadow:4px 4px 4px 4px rgb(155, 108, 240) }
```

Background

The CSS property to change the background color of an element to XYZ 34.6083, 23.9850, 85.2436 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 108, 240) }
```

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

```
.background{ background-color: rgb(155,  
108, 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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