

Converting Colors

XYZ(34.7723, 23.0593, 96.3841)

Have a look what the booklet for
XYZ(34.7723, 23.0593, 96.3841)
contains.

XYZ(34.7723, 23.0593, 96.3841)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(34.7723, 23.0593,
96.3841)**

Conversions

Conversions Part 1

Format	Color
Hex	9367FE
RGB	147, 103, 254
RGB Percent	58%, 40%, 100%
CMY	0.4235, 0.5961, 0.0039
CMYK	0.42, 0.59, 0.00, 0.00
HSL	257°, 99%, 70%
HSV	257°, 59%, 100%
XYZ	34.7723, 23.0593, 96.3841
YIQ	133.3700, -22.2470, 56.2890

Conversions

Conversions Part 2

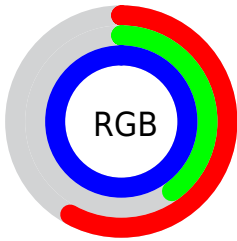
Format	Color
R _Y B	147, 103, 254
Decimal	9660414
CIE Lab	55.13, 50.99, -69.39
CIE LCh	55, 86.113, 306.312
Yxy	23.0593, 0.2255, 0.1495
Android (android.graphics.Color)	4287850494 (0xFF9367FE)
YUV	133.3700, 59.4706, 11.9535
Hunter-Lab	48.0201, 45.2202, -85.3905

Details

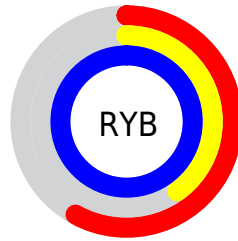
The XYZ color **34.7723, 23.0593, 96.3841** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **64.4677, 85.5645, 25.9501**, and the grayscale version is **22.2258, 23.3833, 25.4644**.

A 20% lighter version of the original color is **55.3921, 44.1187, 100.2040**, and **15.1674, 8.5580, 53.0770** is the 20% darker color. If you saturate the color by 10%, you get **29.6399, 17.2158, 95.5272**, and if you desaturate by 10%, it is **41.1788, 30.6987, 97.5215**.

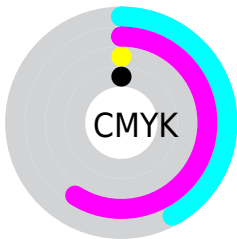
Distribution



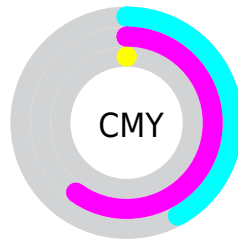
- Red (58%)
- Green (40%)
- Blue (100%)



- Red (58%)
- Yellow (40%)
- Blue (100%)



- Cyan (42%)
- Magenta (59%)
- Yellow (0%)
- Black (0%)



- Cyan (42%)
- Magenta (60%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.7723, 23.0593, 96.3841 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 34.7723, 23.0593, 96.3841 by changing the saturation by 10% instead.

■ 34.7723, 23.0593,
96.3841

■ 34.7723, 23.0593,
96.3841

315.0878,
268.0294, 569.6837

■ 23.6532, 14.6373,
72.6843

■ 66.4692, 48.4907,
158.1874

■ 15.1999, 8.5652,
53.2276

■ 87.7778, 66.2688,
197.1279

■ 9.0470, 4.4587,
37.5955

■ 113.2135, 87.9345,
241.9858

■ 4.8292, 1.9333,
25.3695

■ 143.1418,
113.8721, 293.1795

■ 2.1811, 0.5683,
16.1310

177.9281,
144.4660, 351.1276

■ 0.7328, 0.0000,
9.4616

217.9376,

■ 0.0000, 0.0000,

180.1006, 416.2487

4.9426

263.5357,
221.1603, 488.9612

■ 0.0000, 0.0000,
2.1554

■ 0.0000, 0.0000,
0.6485

■ 34.7723, 23.0593,
96.3841

■ 34.7723, 23.0593,
96.3841

■ 29.6399, 17.2158,
95.5272

■ 41.1788, 30.6987,
97.5215

■ 25.6831, 13.0099,
94.9239

■ 48.9410, 40.2689,
98.9596

■ 22.7922, 10.2583,
94.5452

■ 58.1372, 51.8942,
100.7188

■ 20.8073, 8.6826,
94.3456

■ 68.8382, 65.6877,
102.8172

■ 20.7151, 8.6124,
94.3370

■ 81.1102, 81.7540,
105.2715

94.8870, 99.9345,
108.0546

94.8895, 99.9358,
108.0547

Harmonies

Analogous

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



24.0107, 23.0593, 122.8935



34.7723, 23.0593, 96.3841



43.5501, 23.0593, 52.9132

Triad

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



34.7723, 23.0593, 96.3841



30.2050, 23.0593, 1.1426



8.2094, 23.0593, 31.3823

Complementary

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



34.7723, 23.0593, 96.3841



64.4677, 85.5645, 25.9501

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.



8.9829, 23.0593, 9.2899



34.7723, 23.0593, 96.3841



19.9490, 23.0593, 0.6618

Square

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



34.7723, 23.0593, 96.3841



40.4195, 23.0593, 5.0062



12.6996, 23.0593, 2.0555



10.1502, 23.0593, 71.2530

Rectangle

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



34.7723, 23.0593, 96.3841



45.9931, 23.0593, 28.6658



12.6996, 23.0593, 2.0555



8.1712, 23.0593, 21.8568

Sweetspot

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



34.7734, 23.0601, 96.3847



71.1452, 68.4749, 104.0750



46.8315, 56.7361, 102.2493



14.5068, 13.7192, 22.1334



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.



34.7734, 23.0601, 96.3847



29.2049, 16.6008, 96.2727



52.6452, 32.2733, 97.2211



17.5003, 17.6341, 22.7313



11.0475, 4.6057, 49.7413



1.1787, 0.5016, 4.8480

Inverse Universe

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



57.3561, 35.4247, 64.7854



54.3744, 30.4265, 59.0326



47.9978, 77.0739, 25.1793



18.5538, 18.2048, 21.5334



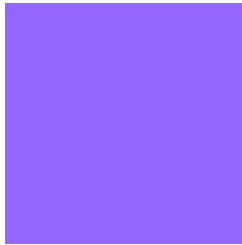
25.9584, 12.8727, 24.2293



2.5751, 1.2724, 2.6099

Previews

White Background



This preview shows how the XYZ color 34.7723, 23.0593, 96.3841 looks on a white background.

Color Contrast Check

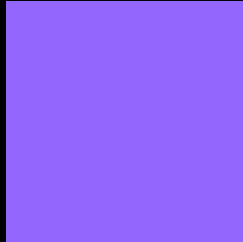
Large Text (above 18pt) WCAG AA ✓ Pass

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 34.7723, 23.0593, 96.3841 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

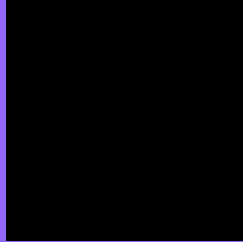
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 34.7723, 23.0593, 96.3841

Background



This preview shows how black text looks on a background with the XYZ color 34.7723, 23.0593, 96.3841.



This preview shows how white text looks on a background with the XYZ color 34.7723, 23.0593,

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

34.7723, 23.0593, 96.3841

Protanopia

27.3447, 23.4706, 97.6968

Deuteranopia

23.6654, 23.1063, 82.5695



Tritanopia

21.3067, 22.8536, 29.6738

Trichromacy



Original Color

34.7723, 23.0593, 96.3841



Protanomaly

28.6713, 22.4884, 97.4373



Deuteranomaly

24.7288, 21.3939, 87.6201



Tritanomaly

24.8172, 22.1256, 48.3101

Monochromacy



Original Color

34.7723, 23.0593, 96.3841



Achromatopsia

22.2940, 23.4551, 25.5426



Achromatomaly

25.3766, 22.4967, 44.5998

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.7723, 23.0593, 96.3841 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(147, 103, 254)` looks like.

```
.text, #text, p{  
    color:rgb(147, 103, 254)  
}
```

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(147, 103, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 103, 254) }
```

Border

The CSS property to change the border of an element to XYZ 34.7723, 23.0593, 96.3841 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(147, 103, 254) }
```


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

```
.border{ border-color:rgb(147, 103, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 103, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 103, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 103, 254);  
box-shadow:4px 4px 4px 4px rgb(147, 103,  
254) }
```

Background

The CSS property to change the background color of an element to XYZ 34.7723, 23.0593, 96.3841 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 103, 254) }
```

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

```
.background{ background-color: rgb(147,  
103, 254) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor