

Converting Colors

XYZ(35.3316, 23.1828, 97.2203)

Have a look what the booklet for
XYZ(35.3316, 23.1828, 97.2203)
contains.

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Color

**XYZ(35.3790, 23.2068,
97.2224)**

Conversions

Conversions Part 1

Format	Color
Hex	9666FF
RGB	150, 102, 255
RGB Percent	59%, 40%, 100%
CMY	0.4117, 0.6000, 0.0000
CMYK	0.41, 0.60, 0.00, 0.00
HSL	259°, 100%, 70%
HSV	259°, 60%, 100%
XYZ	35.3790, 23.2068, 97.2224
YIQ	133.7940, -20.5050, 57.7590

Conversions

Conversions Part 2

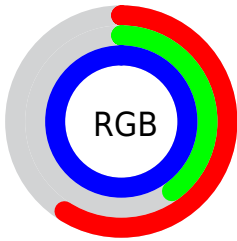
Format	Color
R _Y B	150, 102, 255
Decimal	9856767
CIE _{Lab}	55.28, 52.41, -69.68
CIE _{LCh}	55, 87.193, 306.947
Y _{xy}	23.2068, 0.2271, 0.1489
Android (android.graphics.Color)	4288046847 (0xFF9666FF)
YUV	133.7940, 59.7546, 14.2127
Hunter-Lab	48.1734, 46.7885, -85.9362

Details

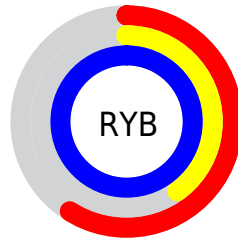
The XYZ color **35.3790, 23.2068, 97.2224** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **63.8898, 85.7444, 25.7538**, and the grayscale version is **22.3787, 23.5441, 25.6395**.

A 20% lighter version of the original color is **56.0658, 44.2180, 100.1877**, and **15.5225, 8.6609, 53.6769** is the 20% darker color. If you saturate the color by 10%, you get **30.2640, 17.4046, 96.3721**, and if you desaturate by 10%, it is **41.7473, 30.7992, 98.3522**.

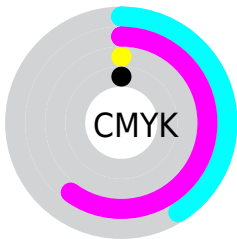
Distribution



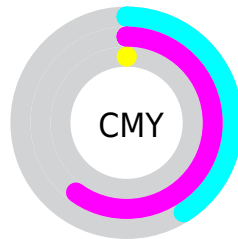
- Red (59%)
- Green (40%)
- Blue (100%)



- Red (59%)
- Yellow (40%)
- Blue (100%)



- Cyan (41%)
- Magenta (60%)
- Yellow (0%)
- Black (0%)





- Cyan (41%)
- Magenta (60%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.3790, 23.2068, 97.2224 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 35.3790, 23.2068, 97.2224 by changing the saturation by 10% instead.

 35.3790, 23.2068,
97.2224


 35.3790, 23.2068,
97.2224


317.7169,
268.7854, 572.4206

 24.1228, 14.7463,
73.3790

 67.4026, 48.7327,
159.3533


 15.5500, 8.6415,
53.7922


 88.9009, 66.5668,
198.4778

 9.2951, 4.5081,
38.0435


 114.5438, 88.2943,
243.5332

 4.9928, 1.9617,
25.7144

 144.6968,
114.2995, 294.9378

 2.2778, 0.5851,
16.3862

179.7253,
144.9668, 353.1104

 0.7833, 0.0000,
9.6406

219.9945,

 0.0000, 0.0000,

180.6806, 418.4693

5.0588

265.8699,
221.8253, 491.4332

■ 0.0000, 0.0000,
2.2225

■ 0.0000, 0.0000,
0.6873

■ 35.3790, 23.2068,
97.2224

■ 35.3790, 23.2068,
97.2224

■ 30.2640, 17.4046,
96.3721

■ 41.7473, 30.7992,
98.3522

■ 26.3048, 13.2330,
95.7755

■ 49.4499, 40.3177,
99.7836

■ 23.3923, 10.5062,
95.4027

■ 58.5638, 51.8877,
101.5364

■ 21.3588, 8.9258,
95.2049

■ 69.1592, 65.6226,
103.6291

■ 21.3587, 8.9257,
95.2048

■ 81.3012, 81.6278,
106.0784

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



24.4073, 23.2068, 125.0724



35.3790, 23.2068, 97.2224



44.2402, 23.2068, 52.7196

Triad

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



35.3790, 23.2068, 97.2224



30.2580, 23.2068, 1.0577



8.1749, 23.2068, 32.3467

Complementary

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



35.3790, 23.2068, 97.2224



63.8898, 85.7444, 25.7538

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.



8.8979, 23.2068, 9.5177



35.3790, 23.2068, 97.2224



19.8633, 23.2068, 0.6128

Square

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



35.3790, 23.2068, 97.2224



40.7255, 23.2068, 4.7681



12.5862, 23.2068, 2.0516



10.1963, 23.2068, 73.3367

Rectangle

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



35.3790, 23.2068, 97.2224



46.6243, 23.2068, 28.2424



12.5862, 23.2068, 2.0516



8.1177, 23.2068, 22.5106

Sweetspot

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



35.3800, 23.2075, 97.2225



71.4610, 68.6377, 104.0897



46.3548, 55.6952, 102.9148



14.5829, 13.7584, 22.1370



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.



35.3800, 23.2075, 97.2225



29.3826, 16.4449, 96.2333



53.6663, 32.6344, 98.0783



17.5392, 17.6542, 22.7331



11.2952, 4.7334, 49.7529



1.2068, 0.5161, 4.8493

Inverse Universe

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



57.2537, 35.2680, 62.8198



53.6423, 29.8669, 55.9994



47.7684, 77.4335, 24.9994



18.5358, 18.1977, 21.4389



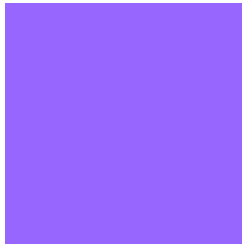
25.6622, 12.7542, 22.6696



2.5480, 1.2616, 2.4674

Previews

White Background



This preview shows how the XYZ color 35.3790, 23.2068, 97.2224 looks on a white background.

Color Contrast Check

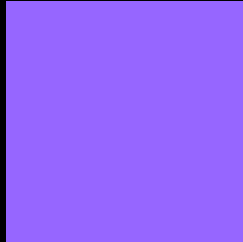
Large Text (above 18pt) WCAG AA ✓ Pass

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 35.3790, 23.2068, 97.2224 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 35.3790, 23.2068, 97.2224

Background



This preview shows how black text looks on a background with the XYZ color 35.3790, 23.2068, 97.2224.



This preview shows how white text looks on a background with the XYZ color 35.3790, 23.2068,

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

35.3790, 23.2068, 97.2224

Protanopia

27.4001, 23.4991, 97.6994

Deuteranopia

23.9500, 23.4424, 83.3833



Tritanopia

21.7338, 23.0738, 29.6937

Trichromacy



Original Color

35.3790, 23.2068, 97.2224

Protanomaly

28.8633, 22.5873, 97.4463

Deuteranomaly

24.9876, 21.5098, 88.4228

Tritanomaly

25.2841, 22.3663, 48.3319

Monochromacy



Original Color

35.3790, 23.2068, 97.2224

Achromatopsia

22.6597, 23.8398, 25.9615

Achromatomaly

25.8106, 22.7089, 45.1424

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.3790, 23.2068, 97.2224 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(150, 102, 255)` looks like.

```
.text, #text, p{  
    color:rgb(150, 102, 255)  
}
```

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(150, 102, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 102, 255) }
```

Border

The CSS property to change the border of an element to XYZ 35.3790, 23.2068, 97.2224 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(150, 102, 255) }
```


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

```
.border{ border-color:rgb(150, 102, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 102, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 102, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 102, 255);  
box-shadow:4px 4px 4px 4px rgb(150, 102,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 35.3790, 23.2068, 97.2224 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 102, 255) }
```

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

```
.background{ background-color: rgb(150,  
102, 255) }
```

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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