

Converting Colors

XYZ(35.6954, 39.4020, 5.7240)

Have a look what the booklet for
XYZ(35.6954, 39.4020, 5.7240)
contains.

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Color

**XYZ(35.6738, 39.4523,
5.7348)**

Conversions

Conversions Part 1

Format	Color
Hex	BFA900
RGB	191, 169, 0
RGB Percent	75%, 66%, 0%
CMY	0.2510, 0.3372, 0.9999
CMYK	0.00, 0.12, 1.00, 0.25
HSL	53°, 100%, 37%
HSV	53°, 100%, 75%
XYZ	35.6738, 39.4523, 5.7348
YIQ	156.3120, 67.3610, -47.8950

Conversions

Conversions Part 2

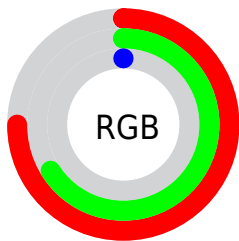
Format	Color
R _Y B	25, 191, 0
Decimal	12560640
CIE Lab	69.08, -6.05, 71.72
CIE LCh	69, 71.971, 94.819
Yxy	39.4523, 0.4412, 0.4879
Android (android.graphics.Color)	4290750720 (0xFFBFA900)
YUV	156.3120, -77.0618, 30.4214
Hunter-Lab	62.8111, -8.5396, 38.5544

Details

The XYZ color **35.6738, 39.4523, 5.7348** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **9.6911, 4.3358, 49.6159**, and the grayscale version is **32.0539, 33.7232, 36.7246**.

A 20% lighter version of the original color is **67.7789, 74.3564, 17.8011**, and **16.0342, 17.7091, 2.5731** is the 20% darker color. If you saturate the color by 10%, you get **35.6743, 39.4535, 5.7351**, and if you desaturate by 10%, it is **36.2058, 40.3269, 6.4969**.

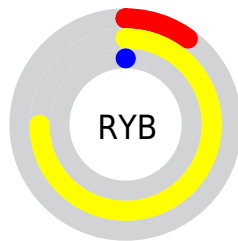
Distribution



Red (75%)

Green (66%)

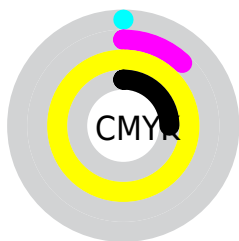
Blue (0%)



Red (10%)

Yellow (75%)

Blue (0%)

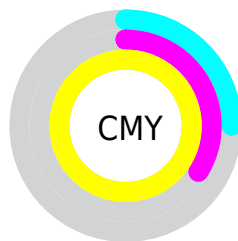


Cyan (0%)

Magenta (12%)

Yellow (100%)

Black (25%)



Cyan (25%)

Magenta (34%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.6738, 39.4523, 5.7348 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 35.6738, 39.4523, 5.7348 by changing the saturation by 10% instead.

■ 35.6738, 39.4523,
5.7348

■ 35.6738, 39.4523,
5.7348

318.9887,
343.8097, 165.9034

■ 24.3513, 27.1118,
2.6183

■ 67.8555, 74.3288,
17.8460

■ 15.7206, 17.6572,
0.9019

■ 89.4453, 97.6335,
27.6778

■ 9.4162, 10.7041,
0.0000

■ 115.1884,
125.3618, 40.5851

■ 5.0729, 5.8683,
0.0000

■ 145.4500,
157.8979, 56.9865

■ 2.3253, 2.7651,
0.0000

■ 180.5954,
195.6264, 77.3005

■ 0.8076, 1.0104,
0.0000

■ 220.9901,

■ 0.0000, 0.0000,

238.9316, 101.9456

0.0000

266.9994,
288.1979, 131.3404

■ 35.6738, 39.4523,
5.7348

■ 35.6738, 39.4523,
5.7348

■ 35.6743, 39.4535,
5.7351

■ 36.2058, 40.3269,
6.4969

■ 36.8602, 41.2601,
7.8732

■ 37.6798, 42.2704,
10.0852

■ 38.6859, 43.3665,
13.2449

■ 39.8966, 44.5556,
17.4468

■ 41.3275, 45.8442,
22.7741

■ 42.9930, 47.2378,
29.3017

■ 44.9060, 48.7419,
37.0979

■ 47.0787, 50.3613,
46.2258

Harmonies

Analogous

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



47.6981, 39.4523, 7.3826



35.6738, 39.4523, 5.7348



26.2518, 39.4523, 9.1494

Triad

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



35.6738, 39.4523, 5.7348



22.1366, 39.4523, 90.1196



61.2369, 39.4523, 75.8666

Complementary

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



35.6738, 39.4523, 5.7348



9.6911, 4.3358, 49.6159

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.



51.5700, 39.4523, 118.5823



35.6738, 39.4523, 5.7348



28.8671, 39.4523, 129.3460

Square

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



35.6738, 39.4523, 5.7348



19.5202, 39.4523, 48.4910



39.3838, 39.4523, 141.7881



64.0812, 39.4523, 37.8607

Rectangle

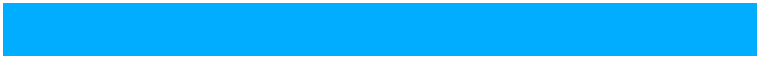
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



35.6738, 39.4523, 5.7348



22.1928, 39.4523, 15.8545



39.3838, 39.4523, 141.7881



58.5929, 39.4523, 90.6562

Sweetspot

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



35.6747, 39.4542, 5.7356



76.8475, 84.4792, 51.8646



21.6335, 11.1357, 1.7833



16.5858, 18.3126, 10.2437



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



35.6747, 39.4542, 5.7356



63.7776, 70.4305, 10.2330



26.0732, 41.0980, 6.5589



10.2259, 10.9278, 10.1469



23.4827, 26.0042, 3.7816



0.9468, 1.0725, 0.1571

Inverse Universe

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



9.6911, 4.3358, 49.6159



17.2694, 7.5907, 88.8341



12.1688, 5.1872, 49.6496



9.1026, 9.3976, 12.0064



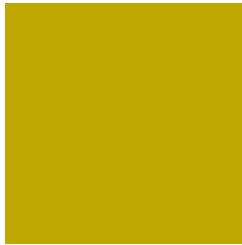
6.3998, 2.9114, 32.6176



0.2803, 0.1733, 1.2875

Previews

White Background



This preview shows how the XYZ color 35.6738, 39.4523, 5.7348 looks on a white background.

Color Contrast Check

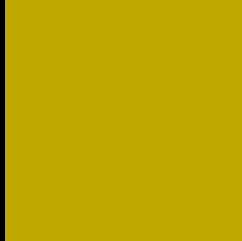
Large Text (above 18pt) WCAG AA × Fail

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 35.6738, 39.4523, 5.7348 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 ✓ Pass

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

XYZ 35.6738, 39.4523, 5.7348

Background



This preview shows how black text looks on a background with the XYZ color 35.6738, 39.4523, 5.7348.

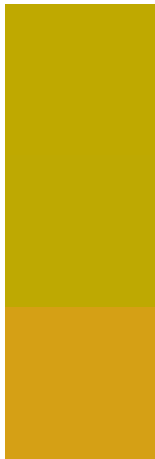


This preview shows how white text looks on a background with the XYZ color 35.6738, 39.4523,

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

35.6738, 39.4523, 5.7348

Protanopia

35.4341, 39.3275, 5.7808

Deuteranopia

40.1467, 39.3419, 6.1872



Tritanopia

43.3058, 39.3960, 42.8578

Trichromacy



Original Color

35.6738, 39.4523, 5.7348

Protanomaly

35.4287, 39.3253, 5.7520

Deuteranomaly

38.3467, 39.2026, 5.9265

Tritanomaly

38.4776, 38.4428, 19.5796

Monochromacy



Original Color

35.6738, 39.4523, 5.7348

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

31.3592, 34.8256, 16.8736

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.6738, 39.4523, 5.7348 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(191, 169, 0)` looks like.

```
.text, #text, p{  
    color:rgb(191, 169, 0)  
}
```

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(191, 169, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 169, 0) }
```

Border

The CSS property to change the border of an element to XYZ 35.6738, 39.4523, 5.7348 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(191, 169, 0) }
```


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

```
.border{ border-color:rgb(191, 169, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 169, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 169, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 169, 0);  
box-shadow:4px 4px 4px 4px rgb(191, 169,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 35.6738, 39.4523, 5.7348 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 169, 0) }
```

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

```
.background{ background-color: rgb(191,  
169, 0) }
```

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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