

Converting Colors

XYZ(36.1972, 40.4057, 5.8913)

Have a look what the booklet for
XYZ(36.1972, 40.4057, 5.8913)
contains.

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Color

**XYZ(36.0488, 40.2022,
5.8598)**

Conversions

Conversions Part 1

Format	Color
Hex	BFAB00
RGB	191, 171, 0
RGB Percent	75%, 67%, 0%
CMY	0.2510, 0.3294, 0.9999
CMYK	0.00, 0.10, 1.00, 0.25
HSL	54°, 100%, 37%
HSV	54°, 100%, 75%
XYZ	36.0488, 40.2022, 5.8598
YIQ	157.4860, 66.8110, -48.9410

Conversions

Conversions Part 2

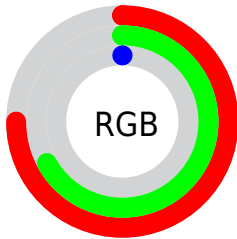
Format	Color
R_{YB}	22, 191, 0
Decimal	12561152
CIE _{Lab}	69.61, -7.10, 72.10
CIE _{LCh}	70, 72.448, 95.621
Yxy	40.2022, 0.4390, 0.4896
Android (android.graphics.Color)	4290751232 (0xFFBFAB00)
YUV	157.4860, -77.6406, 29.3918
Hunter-Lab	63.4052, -9.4736, 38.9042

Details

The XYZ color **36.0488, 40.2022, 5.8598** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **9.6544, 4.2623, 49.6038**, and the grayscale version is **32.5873, 34.2844, 37.3357**.

A 20% lighter version of the original color is **68.3552, 75.4520, 18.1687**, and **16.2697, 18.1802, 2.6516** is the 20% darker color. If you saturate the color by 10%, you get **36.0493, 40.2035, 5.8600**, and if you desaturate by 10%, it is **36.5487, 41.0127, 6.6112**.

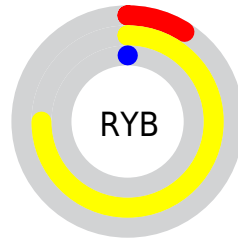
Distribution



Red (75%)

Green (67%)

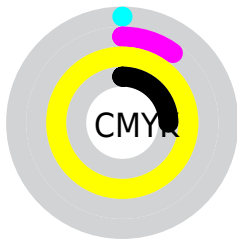
Blue (0%)



Red (9%)

Yellow (75%)

Blue (0%)

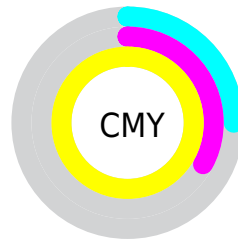


Cyan (0%)

Magenta (10%)

Yellow (100%)

Black (25%)



Cyan (25%)

Magenta (33%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.0488, 40.2022, 5.8598 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 36.0488, 40.2022, 5.8598 by changing the saturation by 10% instead.

36.0488, 40.2022,
5.8598

36.0488, 40.2022,
5.8598

320.6013,
346.9751, 167.0757

24.6422, 27.6962,
2.6926

68.4308, 75.4713,
18.1118

15.9380, 18.0968,
0.9397

90.1368, 99.0033,
28.0337

9.5708, 11.0195,
0.0000

116.0067,
126.9793, 41.0443

5.1754, 6.0800,
0.0000

146.4058,
159.7839, 57.5620

2.3864, 2.8938,
0.0000

181.6994,
197.8013, 78.0055

0.8383, 1.0765,
0.0000

222.2530,

0.0000, 0.0000,

241.4161, 102.7932

0.0000

268.4318,
291.0125, 132.3438

■ 36.0488, 40.2022,
5.8598

■ 36.0488, 40.2022,
5.8598

■ 36.0493, 40.2035,
5.8600

■ 36.5487, 41.0127,
6.6112

■ 37.1699, 41.8793,
7.9765

■ 37.9551, 42.8207,
10.1771

■ 38.9255, 43.8455,
13.3249

■ 40.0993, 44.9610,
17.5146

■ 41.4922, 46.1734,
22.8293

■ 43.1184, 47.4885,
29.3439

■ 44.9910, 48.9116,
37.1267

■ 47.1219, 50.4474,
46.2408

Harmonies

Analogous

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



48.2735, 40.2022, 7.4009



36.0488, 40.2022, 5.8598



26.5452, 40.2022, 9.5038

Triad

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



36.0488, 40.2022, 5.8598



22.6811, 40.2022, 93.0651



62.5933, 40.2022, 76.1314

Complementary

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



36.0488, 40.2022, 5.8598



9.6544, 4.2623, 49.6038

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.



52.8742, 40.2022, 119.8494



36.0488, 40.2022, 5.8598



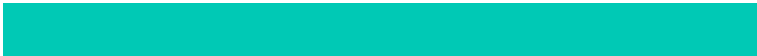
29.6540, 40.2022, 132.6340

Square

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



36.0488, 40.2022, 5.8598



19.9050, 40.2022, 50.3947



40.4579, 40.2022, 144.3476



65.2687, 40.2022, 37.7590

Rectangle

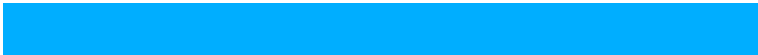
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



36.0488, 40.2022, 5.8598



22.4841, 40.2022, 16.5337



40.4579, 40.2022, 144.3476



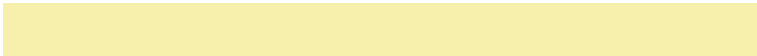
59.9569, 40.2022, 91.1857

Sweetspot

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



36.0497, 40.2041, 5.8606



77.0752, 84.9346, 51.9405



21.6336, 11.1357, 1.7834



16.6424, 18.4259, 10.2626



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.



36.0497, 40.2041, 5.8606



64.4580, 71.7912, 10.4598



26.0734, 41.0982, 6.5590



10.2346, 10.9452, 10.1498



23.7262, 26.4911, 3.8628



0.9542, 1.0873, 0.1596

Inverse Universe

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



9.6544, 4.2623, 49.6038



17.2097, 7.4712, 88.8142



12.1689, 5.1872, 49.6498



9.0948, 9.3818, 12.0037



6.3737, 2.8592, 32.6088



0.2769, 0.1664, 1.2864

Previews

White Background



This preview shows how the XYZ color 36.0488, 40.2022, 5.8598 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 36.0488, 40.2022, 5.8598 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 36.0488, 40.2022, 5.8598

Background



This preview shows how black text looks on a background with the XYZ color 36.0488, 40.2022, 5.8598.

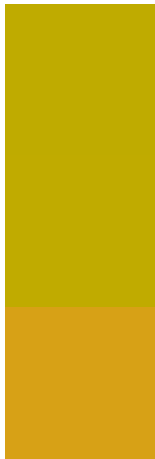


This preview shows how white text looks on a background with the XYZ color 36.0488, 40.2022,

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

36.0488, 40.2022, 5.8598

Protanopia

36.3011, 40.3323, 5.8716

Deuteranopia

40.9140, 39.9947, 6.3224



Tritanopia

43.8362, 40.1541, 43.9682

Trichromacy



Original Color

36.0488, 40.2022, 5.8598

Protanomaly

36.3011, 40.3323, 5.8716

Deuteranomaly

38.9880, 40.0638, 6.0937

Tritanomaly

38.8835, 39.1688, 19.9790

Monochromacy



Original Color

36.0488, 40.2022, 5.8598

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

31.5828, 35.1958, 17.1855

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.0488, 40.2022, 5.8598 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, 171, 0)` looks like.

```
.text, #text, p{  
    color:rgb(191, 171, 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, 171, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 171, 0) }
```

Border

The CSS property to change the border of an element to XYZ 36.0488, 40.2022, 5.8598 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, 171, 0) }
```


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

```
.border{ border-color:rgb(191, 171, 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, 171, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 171, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 171, 0);  
box-shadow:4px 4px 4px 4px rgb(191, 171,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 36.0488, 40.2022, 5.8598 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 171, 0) }
```

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

```
.background{ background-color: rgb(191,  
171, 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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