

Converting Colors

XYZ(23.3781, 36.5988, 9.3693)

Have a look what the booklet for
XYZ(23.3781, 36.5988, 9.3693)
contains.

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Color

**XYZ(23.2531, 36.4399,
9.2981)**

Conversions

Conversions Part 1

Format	Color
Hex	6BB536
RGB	107, 181, 54
RGB Percent	42%, 71%, 21%
CMY	0.5804, 0.2902, 0.7882
CMYK	0.41, 0.00, 0.70, 0.29
HSL	95°, 54%, 46%
HSV	95°, 70%, 71%
XYZ	23.2531, 36.4399, 9.2981
YIQ	144.3960, -3.3370, -55.1850

Conversions

Conversions Part 2

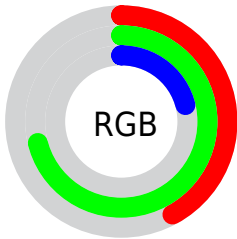
Format	Color
RYB	54, 181, 128
Decimal	7058742
CIELab	66.85, -44.42, 54.78
CIELCh	67, 70.524, 129.035
Yxy	36.4399, 0.3370, 0.5282
Android (android.graphics.Color)	4285248822 (0xFF6BB536)
YUV	144.3960, -44.5652, -32.7963
Hunter-Lab	60.3655, -36.8804, 33.1234

Details

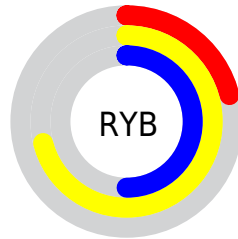
The XYZ color **23.2531, 36.4399, 9.2981** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **18.5637, 10.5650, 44.7790**, and the grayscale version is **26.8454, 28.2434, 30.7571**.

A 20% lighter version of the original color is **48.0952, 69.4376, 25.0553**, and **8.9048, 15.8569, 2.5913** is the 20% darker color. If you saturate the color by 10%, you get **21.7132, 35.6875, 7.4054**, and if you desaturate by 10%, it is **25.1076, 37.3385, 12.0326**.

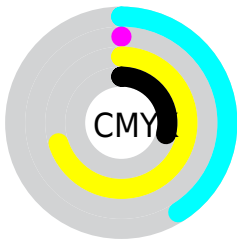
Distribution



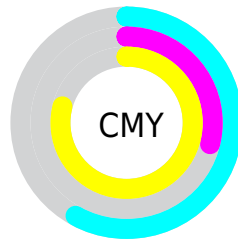
- Red (42%)
- Green (71%)
- Blue (21%)



- Red (21%)
- Yellow (71%)
- Blue (50%)



- Cyan (41%)
- Magenta (0%)
- Yellow (70%)
- Black (29%)





- Cyan (58%)
- Magenta (29%)
- Yellow (79%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.2531, 36.4399, 9.2981 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 23.2531, 36.4399, 9.2981 by changing the saturation by 10% instead.


 23.2531, 36.4399,
9.2981


 23.2531, 36.4399,
9.2981


261.5334,
330.8792, 195.8856


 14.9022, 24.7741,
4.8367


 48.2722, 69.7105,
25.0535


 8.8367, 15.9089,
2.0947

 65.6711, 92.0841,
37.1845


 4.6911, 9.4597,
0.6126


 86.8168, 118.7958,
52.7092

 2.1000, 5.0422,
0.0000

 112.0745,
150.2300, 72.0460

 0.6892, 2.2720,
0.0000

 141.8097,
186.7710, 95.6135

 0.0000, 0.7589,
0.0000

 176.3877,

 0.0000, 0.0000,

228.8033, 123.8302

0.0000

216.1738,
276.7112, 157.1148

■ 23.2531, 36.4399,
9.2981

■ 23.2531, 36.4399,
9.2981

■ 21.7132, 35.6875,
7.4054

■ 25.1076, 37.3385,
12.0326

■ 20.4612, 35.0663,
6.2539

■ 27.2951, 38.3875,
15.6897

■ 19.4679, 34.5666,
5.6460

■ 29.8354, 39.5967,
20.3433

■ 32.7458, 40.9735,
26.0592

■ 36.0421, 42.5249,
32.8975

■ 39.7393, 44.2573,
40.9140

■ 43.8516, 46.1769,
50.1606

■ 48.3923, 48.2894,
60.6861

■ 53.3742, 50.6005,
72.5368

Harmonies

Analogous

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



31.5117, 36.4399, 5.3392



23.2531, 36.4399, 9.2981



18.7909, 36.4399, 22.1468

Triad

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



23.2531, 36.4399, 9.2981



27.8001, 36.4399, 123.7338



59.1077, 36.4399, 31.1456

Complementary

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



23.2531, 36.4399, 9.2981



18.5637, 10.5650, 44.7790

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.



57.5454, 36.4399, 64.6346



23.2531, 36.4399, 9.2981



37.9582, 36.4399, 130.6044

Square

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



23.2531, 36.4399, 9.2981



21.0168, 36.4399, 89.3851



49.2312, 36.4399, 105.0628



53.1426, 36.4399, 12.9822

Rectangle

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



23.2531, 36.4399, 9.2981



17.9036, 36.4399, 38.6955



49.2312, 36.4399, 105.0628



59.4678, 36.4399, 40.6747

Sweetspot

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



23.2540, 36.4415, 9.2989



63.8098, 75.8111, 57.3539



27.1801, 25.0049, 6.8845



13.4357, 16.2182, 11.6494



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



23.2540, 36.4415, 9.2989



37.6499, 63.3013, 12.0287



18.9287, 34.1867, 10.2266



8.7138, 9.6575, 9.0574



13.4955, 23.8672, 3.8956



0.4917, 0.7856, 0.1257

Inverse Universe

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



18.5637, 10.5650, 44.7790



28.6340, 14.0428, 79.4960



27.8745, 15.4622, 40.8162



8.5004, 8.4665, 10.6925



9.8845, 4.4315, 30.4714



0.3756, 0.1727, 0.9618

Previews

White Background



This preview shows how the XYZ color 23.2531, 36.4399, 9.2981 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 23.2531, 36.4399, 9.2981 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 23.2531, 36.4399, 9.2981

Background



This preview shows how black text looks on a background with the XYZ color 23.2531, 36.4399, 9.2981.



This preview shows how white text looks on a background with the XYZ color 23.2531, 36.4399,

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

23.2531, 36.4399, 9.2981

Protanopia

32.5308, 35.8862, 8.1179

Deuteranopia

36.5684, 35.8989, 9.8523



Tritanopia

31.4876, 36.3069, 50.1481

Trichromacy



Original Color

23.2531, 36.4399, 9.2981

Protanomaly

28.1119, 35.4850, 8.4996

Deuteranomaly

30.0274, 35.0927, 9.4659

Tritanomaly

27.1332, 35.6578, 28.7451

Monochromacy



Original Color

23.2531, 36.4399, 9.2981

Achromatopsia

26.5089, 27.8894, 30.3716

Achromatomaly

24.2863, 30.0869, 19.5663

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.2531, 36.4399, 9.2981 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(107, 181, 54)` looks like.

```
.text, #text, p{  
    color:rgb(107, 181, 54)  
}
```

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(107, 181, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 181, 54) }
```

Border

The CSS property to change the border of an element to XYZ 23.2531, 36.4399, 9.2981 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(107, 181, 54) }
```


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

```
.border{ border-color:rgb(107, 181, 54) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 181, 54)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 181, 54); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 181, 54);  
box-shadow:4px 4px 4px 4px rgb(107, 181,  
54) }
```

Background

The CSS property to change the background color of an element to XYZ 23.2531, 36.4399, 9.2981 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 181, 54) }
```

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

```
.background{ background-color: rgb(107,  
181, 54) }
```

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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