

Converting Colors

XYZ(23.5810, 35.4166, 7.2117)

Have a look what the booklet for
XYZ(23.5810, 35.4166, 7.2117)
contains.

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Color

**XYZ(23.6333, 35.4876,
7.1943)**

Conversions

Conversions Part 1

Format	Color
Hex	77B123
RGB	119, 177, 35
RGB Percent	47%, 69%, 14%
CMY	0.5333, 0.3059, 0.8627
CMYK	0.33, 0.00, 0.80, 0.31
HSL	85°, 67%, 42%
HSV	85°, 80%, 69%
XYZ	23.6333, 35.4876, 7.1943
YIQ	143.4700, 11.0140, -56.4580

Conversions

Conversions Part 2

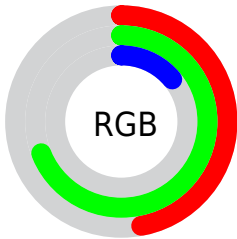
Format	Color
RYB	35, 177, 93
Decimal	7844131
CIELab	66.13, -39.58, 60.74
CIELCh	66, 72.501, 123.090
Yxy	35.4876, 0.3564, 0.5351
Android (android.graphics.Color)	4286034211 (0xFF77B123)
YUV	143.4700, -53.4757, -21.4602
Hunter-Lab	59.5715, -33.4352, 34.5397

Details

The XYZ color **23.6333, 35.4876, 7.1943** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **13.0527, 6.7046, 42.2032**, and the grayscale version is **26.5021, 27.8822, 30.3638**.

A 20% lighter version of the original color is **48.7939, 68.1821, 20.9447**, and **9.2576, 15.4721, 2.4985** is the 20% darker color. If you saturate the color by 10%, you get **22.4793, 34.9169, 6.0978**, and if you desaturate by 10%, it is **24.9970, 36.1533, 8.9937**.

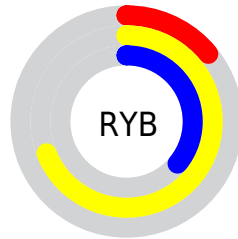
Distribution



Red (47%)

Green (69%)

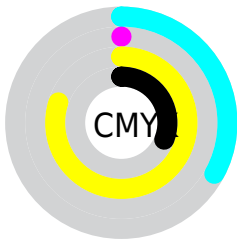
Blue (14%)



Red (14%)

Yellow (69%)

Blue (36%)

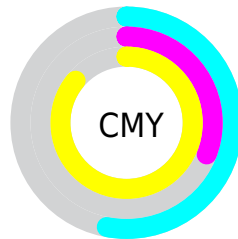


Cyan (33%)

Magenta (0%)

Yellow (80%)

Black (31%)



Cyan (53%)


Magenta (31%)


Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.6333, 35.4876, 7.1943 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 23.6333, 35.4876, 7.1943 by changing the saturation by 10% instead.


 23.6333, 35.4876,
7.1943


 23.6333, 35.4876,
7.1943


263.4363,
326.7154, 178.9603


 15.1851, 24.0387,
3.5036


 48.8902, 68.2405,
20.8825


 9.0365, 15.3623,
1.3572


 66.4296, 90.3132,
31.7172

 4.8223, 9.0741,
0.1080


 87.7300, 116.6961,
45.7702

 2.1771, 4.7895,
0.0000

 113.1570,
147.7734, 63.4602

 0.7306, 2.1243,
0.0000

 143.0757,
183.9296, 85.2056

 0.0000, 0.6782,
0.0000

 177.8516,

 0.0000, 0.0000,

225.5491, 111.4251

0.0000

217.8500,
273.0162, 142.5372

■ 23.6333, 35.4876,
7.1943

■ 23.6333, 35.4876,
7.1943

■ 22.4793, 34.9169,
6.0978

■ 24.9970, 36.1533,
8.9937

■ 21.5135, 34.4310,
5.5120

■ 26.5871, 36.9173,
11.5865

■ 28.4209, 37.7879,
15.0518

■ 30.5130, 38.7710,
19.4588

■ 32.8767, 39.8723,
24.8696

■ 35.5243, 41.0966,
31.3410

■ 38.4670, 42.4488,
38.9257

■ 41.7156, 43.9333,
47.6726

■ 45.2801, 45.5542,
57.6281

Harmonies

Analogous

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



32.6251, 35.4876, 4.5105



23.6333, 35.4876, 7.1943



18.4191, 35.4876, 17.5212

Triad

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



23.6333, 35.4876, 7.1943



25.1927, 35.4876, 119.4094



58.9451, 35.4876, 35.5283

Complementary

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



23.6333, 35.4876, 7.1943



13.0527, 6.7046, 42.2032

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.



55.7909, 35.4876, 72.2092



23.6333, 35.4876, 7.1943



34.8593, 35.4876, 133.3736

Square

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



23.6333, 35.4876, 7.1943



19.1755, 35.4876, 80.9464



46.3568, 35.4876, 112.7499



54.2431, 35.4876, 14.4500

Rectangle

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



23.6333, 35.4876, 7.1943



17.0555, 35.4876, 31.9297



46.3568, 35.4876, 112.7499



58.7705, 35.4876, 46.2301

Sweetspot

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



23.6341, 35.4892, 7.1951



61.5711, 72.6536, 51.0378



22.2462, 17.0896, 3.7167



12.9896, 15.5815, 10.2007



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



23.6341, 35.4892, 7.1951



38.9397, 61.8681, 10.1530



17.3030, 32.2253, 6.8988



8.8546, 9.7301, 9.0639



15.6566, 24.9814, 3.9967



0.5568, 0.8191, 0.1288

Inverse Universe

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



13.0527, 6.7046, 42.2032



19.4775, 8.5471, 75.1185



23.6016, 12.1428, 42.6969



8.3597, 8.3940, 10.6859



7.7678, 3.3402, 30.3723



0.3113, 0.1396, 0.9588

Previews

White Background



This preview shows how the XYZ color 23.6333, 35.4876, 7.1943 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 23.6333, 35.4876, 7.1943 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 23.6333, 35.4876, 7.1943

Background



This preview shows how black text looks on a background with the XYZ color 23.6333, 35.4876, 7.1943.



This preview shows how white text looks on a background with the XYZ color 23.6333, 35.4876, 7.1943.

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

23.6333, 35.4876, 7.1943

Protanopia

31.6405, 34.9438, 6.3735

Deuteranopia

35.8491, 35.0874, 7.6794



Tritanopia

31.6444, 35.3589, 47.2766

Trichromacy



Original Color

23.6333, 35.4876, 7.1943

Protanomaly

27.9975, 34.6458, 6.5782

Deuteranomaly

29.9755, 34.3221, 7.3304

Tritanomaly

27.1598, 34.6281, 24.9911

Monochromacy



Original Color

23.6333, 35.4876, 7.1943

Achromatopsia

26.1081, 27.4677, 29.9124

Achromatomaly

24.0516, 29.5105, 17.5251

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.6333, 35.4876, 7.1943 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(119, 177, 35)` looks like.

```
.text, #text, p{  
    color:rgb(119, 177, 35)  
}
```

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(119, 177, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 177, 35) }
```

Border

The CSS property to change the border of an element to XYZ 23.6333, 35.4876, 7.1943 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(119, 177, 35) }
```


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

```
.border{ border-color:rgb(119, 177, 35) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 177, 35)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 177, 35); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 177, 35);  
box-shadow:4px 4px 4px 4px rgb(119, 177,  
35) }
```

Background

The CSS property to change the background color of an element to XYZ 23.6333, 35.4876, 7.1943 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 177, 35) }
```

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

```
.background{ background-color: rgb(119,  
177, 35) }
```

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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