

Converting Colors

XYZ(23.8965, 37.6404, 6.0063)

Have a look what the booklet for
XYZ(23.8965, 37.6404, 6.0063)
contains.

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Color

**XYZ(23.9505, 37.7917,
6.0322)**

Conversions

Conversions Part 1

Format	Color
Hex	71B800
RGB	113, 184, 0
RGB Percent	44%, 72%, 0%
CMY	0.5569, 0.2784, 0.9999
CMYK	0.39, 0.00, 1.00, 0.28
HSL	83°, 100%, 36%
HSV	83°, 100%, 72%
XYZ	23.9505, 37.7917, 6.0322
YIQ	141.7950, 16.7480, -72.2760

Conversions

Conversions Part 2

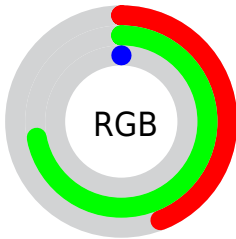
Format	Color
RYB	0, 184, 71
Decimal	7452672
CIELab	67.87, -45.68, 68.35
CIELCh	68, 82.215, 123.756
Yxy	37.7917, 0.3534, 0.5576
Android (android.graphics.Color)	4285642752 (0xFF71B800)
YUV	141.7950, -69.9049, -25.2532
Hunter-Lab	61.4750, -38.0380, 37.2147

Details

The XYZ color **23.9505, 37.7917, 6.0322** is a dark color, and the websafe version is hex **99CC33**. A complement of this color would be **11.2526, 4.8018, 45.6834**, and the grayscale version is **25.8948, 27.2433, 29.6680**.

A 20% lighter version of the original color is **49.6250, 72.1186, 18.5125**, and **9.5040, 16.7495, 2.7321** is the 20% darker color. If you saturate the color by 10%, you get **23.9503, 37.7928, 6.0324**, and if you desaturate by 10%, it is **25.0136, 38.3280, 6.6701**.

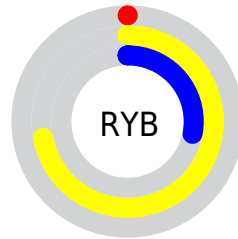
Distribution



Red (44%)

Green (72%)

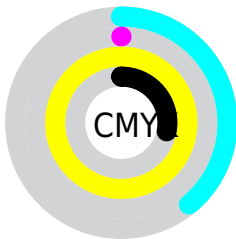
Blue (0%)



Red (0%)

Yellow (72%)

Blue (28%)

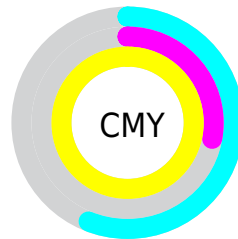


Cyan (39%)

Magenta (0%)

Yellow (100%)

Black (28%)



Cyan (56%)

Magenta (28%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.9505, 37.7917, 6.0322 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 23.9505, 37.7917, 6.0322 by changing the saturation by 10% instead.

■ 23.9505, 37.7917,
6.0322

■ 23.9505, 37.7917,
6.0322

265.0152,
336.7256, 168.6743

■ 15.4214, 25.8211,
2.7956

■ 49.4047, 71.7888,
18.4765

■ 9.2039, 16.6898,
0.9912

■ 67.0605, 94.5840,
28.5213

■ 4.9326, 10.0136,
0.0000

■ 88.4893, 121.7562,
41.6725

■ 2.2421, 5.4080,
0.0000

■ 114.0564,
153.6897, 58.3487

■ 0.7648, 2.4886,
0.0000

■ 144.1272,
190.7690, 78.9684

■ 0.0000, 0.8709,
0.0000

■ 179.0671,

■ 0.0000, 0.0000,

233.3785, 103.9502

0.0000

219.2413,
281.9026, 133.7127

■ 23.9505, 37.7917,
6.0322

■ 23.9505, 37.7917,
6.0322

■ 23.9503, 37.7928,
6.0324

■ 25.0136, 38.3280,
6.6701

■ 26.2549, 38.9426,
7.8684

■ 27.7161, 39.6539,
9.8353

■ 29.4179, 40.4702,
12.6728

■ 31.3783, 41.3988,
16.4670

■ 33.6131, 42.4464,
21.2938

■ 36.1364, 43.6186,
27.2214

■ 38.9615, 44.9210,
34.3123

■ 42.1007, 46.3586,
42.6242

Harmonies

Analogous

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



34.3384, 37.7917, 3.3324



23.9505, 37.7917, 6.0322



18.1175, 37.7917, 17.2609

Triad

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



23.9505, 37.7917, 6.0322



26.1359, 37.7917, 141.6630



66.3447, 37.7917, 36.7204

Complementary

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



23.9505, 37.7917, 6.0322



11.2526, 4.8018, 45.6834

Split Complementary

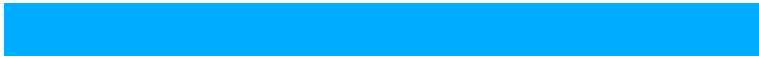
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



62.6901, 37.7917, 80.6437



23.9505, 37.7917, 6.0322



37.5492, 37.7917, 158.4375

Square

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



23.9505, 37.7917, 6.0322



19.1538, 37.7917, 93.7680



51.3311, 37.7917, 131.4373



60.3918, 37.7917, 13.1722

Rectangle

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



23.9505, 37.7917, 6.0322



16.6503, 37.7917, 33.9768



51.3311, 37.7917, 131.4373



66.2052, 37.7917, 49.2649

Sweetspot

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



23.9514, 37.7934, 6.0330



65.2565, 78.9523, 48.7432



21.9927, 14.6399, 1.6672



13.6439, 16.8239, 9.4947



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



23.9514, 37.7934, 6.0330



43.1391, 68.3646, 10.9220



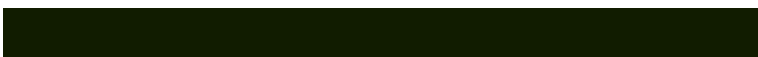
17.4610, 34.4475, 5.7293



9.4054, 10.3256, 9.6042



16.5865, 26.0870, 4.1611



0.6516, 0.9541, 0.1498

Inverse Universe

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



11.2526, 4.8018, 45.6834



20.1481, 8.5750, 82.7978



23.6624, 11.1992, 46.2641



8.8401, 8.8839, 11.3283



7.8281, 3.3467, 31.4865



0.3459, 0.1540, 1.1132

Previews

White Background



This preview shows how the XYZ color 23.9505, 37.7917, 6.0322 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 23.9505, 37.7917, 6.0322 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

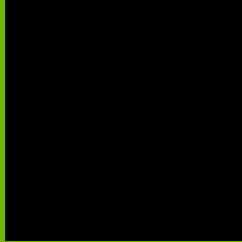
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 23.9505, 37.7917, 6.0322

Background



This preview shows how black text looks on a background with the XYZ color 23.9505, 37.7917, 6.0322.



This preview shows how white text looks on a background with the XYZ color 23.9505, 37.7917,

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

23.9505, 37.7917, 6.0322

Protanopia

33.7048, 37.3494, 5.4327

Deuteranopia

37.9390, 37.1697, 6.8439



Tritanopia

32.9927, 37.6151, 51.4205

Trichromacy



Original Color

23.9505, 37.7917, 6.0322

Protanomaly

29.0506, 36.8760, 5.5866

Deuteranomaly

31.0245, 36.2185, 6.1663

Tritanomaly

27.3995, 36.7943, 22.7974

Monochromacy



Original Color

23.9505, 37.7917, 6.0322

Achromatopsia

25.7108, 27.0498, 29.4572

Achromatomaly

23.2625, 29.6774, 14.1751

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.9505, 37.7917, 6.0322 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(113, 184, 0)` looks like.

```
.text, #text, p{  
    color:rgb(113, 184, 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(113, 184, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 184, 0) }
```

Border

The CSS property to change the border of an element to XYZ 23.9505, 37.7917, 6.0322 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(113, 184, 0) }
```


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

```
.border{ border-color:rgb(113, 184, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 184, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 184, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 184, 0);  
box-shadow:4px 4px 4px 4px rgb(113, 184,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 23.9505, 37.7917, 6.0322 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 184, 0) }
```

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

```
.background{ background-color: rgb(113,  
184, 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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