

Converting Colors

XYZ(23.0034, 11.3761, 13.4322)

Have a look what the booklet for
XYZ(23.0034, 11.3761, 13.4322)
contains.

XYZ(23.1373, 11.6507, 13.5997)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(23.1373, 11.6507,
13.5997)**

Conversions

Conversions Part 1

Format	Color
Hex	BC0066
RGB	188, 0, 102
RGB Percent	74%, 0%, 40%
CMY	0.2627, 0.9999, 0.6000
CMYK	0.00, 1.00, 0.46, 0.26
HSL	327°, 100%, 37%
HSV	327°, 100%, 74%
XYZ	23.1373, 11.6507, 13.5997
YIQ	67.8400, 79.3060, 71.5780

Conversions

Conversions Part 2

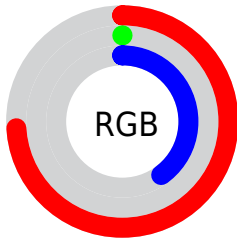
Format	Color
R_{YB}	188, 0, 102
Decimal	12320870
CIE _{Lab}	40.66, 67.99, -2.29
CIE _{LCh}	41, 68.030, 358.069
Yxy	11.6507, 0.4782, 0.2408
Android (android.graphics.Color)	4290510950 (0xFFBC0066)
YUV	67.8400, 16.8409, 105.3803
Hunter-Lab	34.1331, 61.2641, 0.2702

Details

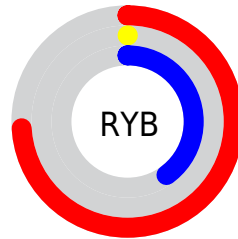
The XYZ color **23.1373, 11.6507, 13.5997** is a dark color, and the websafe version is hex **CC0066**. A complement of this color would be **19.6647, 36.6390, 14.8468**, and the grayscale version is **5.4367, 5.7199, 6.2289**.

A 20% lighter version of the original color is **47.9870, 28.7803, 33.1629**, and **9.5917, 4.8650, 4.0479** is the 20% darker color. If you saturate the color by 10%, you get **23.1365, 11.6503, 13.5957**, and if you desaturate by 10%, it is **23.8164, 12.2904, 16.0412**.

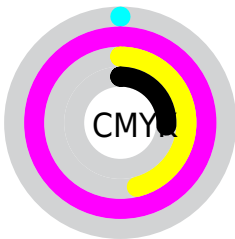
Distribution



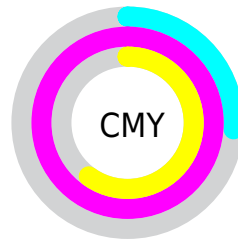
- Red (74%)
- Green (0%)
- Blue (40%)



- Red (74%)
- Yellow (0%)
- Blue (40%)



- Cyan (0%)
- Magenta (100%)
- Yellow (46%)
- Black (26%)





- Cyan (26%)
- Magenta (100%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.1373, 11.6507, 13.5997 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 23.1373, 11.6507, 13.5997 by changing the saturation by 10% instead.


 23.1373, 11.6507,
13.5997


 23.1373, 11.6507,
13.5997


260.9516,
202.0789, 226.0673


 14.8162, 6.5063,
7.7072


 48.0837, 28.8573,
33.0839

 8.7759, 3.1553,
3.8231


 65.4396, 41.6883,
47.5127


 4.6513, 1.2133,
1.5288

 86.5379, 57.8503,
65.6240

 2.0768, 0.0726,
0.2393

 111.7439, 77.7277,
87.8364

 0.6765, 0.0000,
0.0000

 141.4229,
101.7048, 114.5683

 0.0000, 0.0000,
0.0000

 175.9402,

130.1662, 146.2385

215.6614,
163.4961, 183.2653

■ 23.1373, 11.6507,
13.5997

■ 23.1373, 11.6507,
13.5997

■ 23.1365, 11.6503,
13.5957

■ 23.8164, 12.2904,
16.0412

■ 24.7624, 13.3911,
18.7964

■ 26.0577, 15.1153,
21.8989

■ 27.7438, 17.5445,
25.3684

■ 29.8561, 20.7474,
29.2223

■ 32.4258, 24.7847,
33.4764

■ 35.4810, 29.7109,
38.1455

■ 39.0475, 35.5759,
43.2432

■ 43.1491, 42.4259,
48.7824

Harmonies

Analogous

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



20.9313, 11.6507, 32.5013



23.1373, 11.6507, 13.5997



21.4116, 11.6507, 3.8547

Triad

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



23.1373, 11.6507, 13.5997



7.2648, 11.6507, 0.7038



6.8647, 11.6507, 51.0950

Complementary

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



23.1373, 11.6507, 13.5997



19.6647, 36.6390, 14.8468

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.



4.7504, 11.6507, 29.6906



23.1373, 11.6507, 13.5997



4.9299, 11.6507, 3.1970

Square

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



23.1373, 11.6507, 13.5997



11.3884, 11.6507, 0.1471



4.1605, 11.6507, 11.8135



10.7648, 11.6507, 61.8915

Rectangle

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



23.1373, 11.6507, 13.5997



18.4806, 11.6507, 1.4194



4.1605, 11.6507, 11.8135



5.9692, 11.6507, 44.3849

Sweetspot

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



23.1376, 11.6514, 13.5999



64.0003, 53.3517, 68.6837



12.7892, 5.5451, 47.9730



13.2413, 10.6276, 13.9862



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



23.1376, 11.6514, 13.5999



41.8061, 21.0644, 23.9793



20.7910, 10.7127, 1.2428



9.7408, 9.6206, 11.0238



15.7905, 7.9473, 9.4562



0.6512, 0.3244, 0.5423

Inverse Universe

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



23.1376, 11.6514, 13.5999



41.8061, 21.0644, 23.9793



26.0800, 39.2051, 48.6296



9.7408, 9.6206, 11.0238



15.7905, 7.9473, 9.4562



0.6512, 0.3244, 0.5423

Previews

White Background



This preview shows how the XYZ color 23.1373, 11.6507, 13.5997 looks on a white 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 × Fail

Black Background



This preview shows how the XYZ color 23.1373, 11.6507, 13.5997 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 23.1373, 11.6507, 13.5997

Background



This preview shows how black text looks on a background with the XYZ color 23.1373, 11.6507, 13.5997.



This preview shows how white text looks on a background with the XYZ color 23.1373, 11.6507,

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

23.1373, 11.6507, 13.5997

Protanopia

12.9345, 12.4053, 29.3165

Deuteranopia

12.4193, 12.2438, 12.2984



Tritanopia

21.1666, 11.9920, 3.2969

Trichromacy



Original Color

23.1373, 11.6507, 13.5997

Protanomaly

13.5651, 9.0770, 22.5098

Deuteranomaly

14.2548, 9.4981, 12.3913

Tritanomaly

21.4945, 11.4932, 5.7882

Monochromacy



Original Color

23.1373, 11.6507, 13.5997

Achromatopsia

5.4944, 5.7805, 6.2950

Achromatomaly

8.9939, 5.7517, 8.2256

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.1373, 11.6507, 13.5997 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(188, 0, 102)` looks like.

```
.text, #text, p{  
    color:rgb(188, 0, 102)  
}
```

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(188, 0, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 0, 102) }
```

Border

The CSS property to change the border of an element to XYZ 23.1373, 11.6507, 13.5997 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(188, 0, 102) }
```


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

```
.border{ border-color:rgb(188, 0, 102) }
```

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

Here you see how a box with a 4 pixel rgb(188, 0, 102) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 0, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 0, 102);  
box-shadow:4px 4px 4px 4px rgb(188, 0,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 23.1373, 11.6507, 13.5997 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 0, 102) }
```

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

```
.background{ background-color: rgb(188, 0,  
102) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor