

Converting Colors

XYZ(13.5284, 6.1679, 37.0583)

Have a look what the booklet for
XYZ(13.5284, 6.1679, 37.0583)
contains.

XYZ(13.5306, 6.1695, 37.0369)	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(13.5306, 6.1695,
37.0369)**

Conversions

Conversions Part 1

Format	Color
Hex	6F00A7
RGB	111, 0, 167
RGB Percent	44%, 0%, 65%
CMY	0.5647, 1.0000, 0.3451
CMYK	0.34, 1.00, 0.00, 0.35
HSL	280°, 100%, 33%
HSV	280°, 100%, 65%
XYZ	13.5306, 6.1695, 37.0369
YIQ	52.2270, 12.5490, 75.4690

Conversions

Conversions Part 2

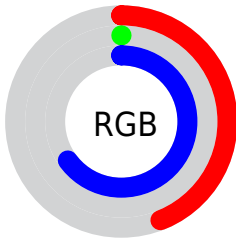
Format	Color
R_{YB}	111, 0, 167
Decimal	7274663
CIE _{Lab}	29.84, 63.50, -60.58
CIE _{LCh}	30, 87.768, 316.348
Yxy	6.1695, 0.2385, 0.1087
Android (android.graphics.Color)	4285464743 (0xFF6F00A7)
YUV	52.2270, 56.5831, 51.5439
Hunter-Lab	24.8385, 53.7694, -71.0210

Details

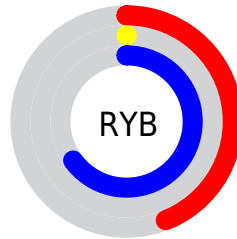
The XYZ color **13.5306, 6.1695, 37.0369** is a dark color, and the websafe version is hex **660099**. A complement of this color would be **15.4495, 28.4782, 4.6826**, and the grayscale version is **3.2251, 3.3930, 3.6950**.

A 20% lighter version of the original color is **31.7851, 18.2873, 71.6666**, and **4.5055, 1.9718, 16.0627** is the 20% darker color. If you saturate the color by 10%, you get **13.5310, 6.1697, 37.0371**, and if you desaturate by 10%, it is **14.4537, 6.9361, 37.1364**.

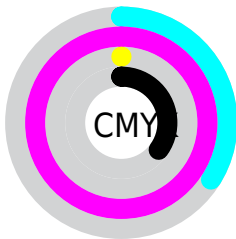
Distribution



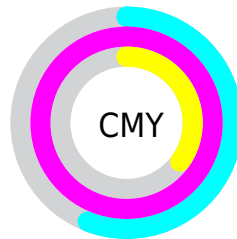
- Red (44%)
- Green (0%)
- Blue (65%)



- Red (44%)
- Yellow (0%)
- Blue (65%)



- Cyan (34%)
- Magenta (100%)
- Yellow (0%)
- Black (35%)



- Cyan (56%)
- Magenta (100%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.5306, 6.1695, 37.0369 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 13.5306, 6.1695, 37.0369 by changing the saturation by 10% instead.

■ 13.5306, 6.1695,
37.0369

■ 13.5306, 6.1695,
37.0369

207.8604,
160.5728, 348.6438

■ 7.8744, 2.9484,
24.9401

■ 31.8471, 18.2818,
71.8165

■ 4.0658, 1.1049,
15.8138

■ 45.2381, 27.9418,
95.3363

■ 1.7394, 0.0000,
9.2396

■ 61.9381, 40.5169,
123.5009

■ 0.4808, 0.0000,
4.7988

■ 82.3124, 56.3915,
156.7287

■ 0.0000, 0.0000,
2.0730

■ 106.7265, 75.9500,
195.4384

■ 0.0000, 0.0000,
0.5997

■ 135.5456, 99.5768,

■ 0.0000, 0.0000,

240.0484

0.0000

169.1351,
127.6563, 290.9774

13.5306, 6.1695,
37.0369

13.5306, 6.1695,
37.0369

13.5310, 6.1697,
37.0371

14.4537, 6.9361,
37.1364

15.5848, 8.0524,
37.2922

16.9923, 9.6537,
37.5271

18.7068, 11.7999,
37.8510

20.7544, 14.5424,
38.2724

■ 23.1584, 17.9264,
38.7989

■ 25.9394, 21.9925,
39.4372

■ 29.1168, 26.7780,
40.1934

■ 32.7082, 32.3174,
41.0733

Harmonies

Analogous

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



8.3501, 6.1695, 59.2114



13.5306, 6.1695, 37.0369



17.2080, 6.1695, 13.5057

Triad

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



13.5306, 6.1695, 37.0369



7.9086, 6.1695, 0.0000



1.1074, 6.1695, 15.1918

Complementary

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



13.5306, 6.1695, 37.0369



15.4495, 28.4782, 4.6826

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.



1.0764, 6.1695, 2.6987



13.5306, 6.1695, 37.0369



3.9278, 6.1695, 0.0000

Square

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



13.5306, 6.1695, 37.0369



13.0816, 6.1695, 0.0000



1.8322, 6.1695, 0.0000



1.9546, 6.1695, 39.4099

Rectangle

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



13.5306, 6.1695, 37.0369



17.5648, 6.1695, 4.5343



1.8322, 6.1695, 0.0000



1.0215, 6.1695, 9.5085

Sweetspot

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



13.5310, 6.1697, 37.0371



46.1673, 38.9590, 70.5618



8.5109, 5.8617, 37.2422



9.8642, 8.0299, 15.6822



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



13.5310, 6.1697, 37.0371



24.0058, 10.9324, 66.3202



20.8152, 10.1670, 26.4369



7.5939, 7.5388, 9.4732



10.4076, 4.7487, 28.3435



0.3042, 0.1418, 0.6920

Inverse Universe

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



16.6502, 8.5010, 4.5044



29.7330, 15.1902, 7.6126



13.9948, 27.7079, 5.5331



7.6310, 7.5823, 8.3741



12.7616, 6.5134, 3.5564



0.3342, 0.1679, 0.2112

Previews

White Background



This preview shows how the XYZ color 13.5306, 6.1695, 37.0369 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 ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

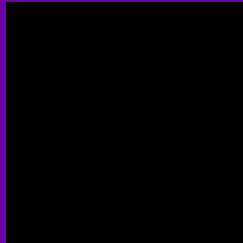
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.5306, 6.1695, 37.0369

Background



This preview shows how black text looks on a background with the XYZ color 13.5306, 6.1695, 37.0369.



This preview shows how white text looks on a background with the XYZ color 13.5306, 6.1695,

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

13.5306, 6.1695, 37.0369

Protanopia

7.6781, 6.6764, 29.3178

Deuteranopia

6.4124, 6.5907, 21.3562



Tritanopia

7.5100, 6.5499, 6.6628

Trichromacy



Original Color

13.5306, 6.1695, 37.0369

Protanomaly

7.8142, 4.7282, 31.9533

Deuteranomaly

6.8145, 4.5180, 26.1041

Tritanomaly

8.5983, 5.3151, 13.9373

Monochromacy



Original Color

13.5306, 6.1695, 37.0369

Achromatopsia

3.2640, 3.4340, 3.7396

Achromatomaly

5.3119, 3.3123, 10.9491

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.5306, 6.1695, 37.0369 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(111, 0, 167)` looks like.

```
.text, #text, p{  
    color:rgb(111, 0, 167)  
}
```

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(111, 0, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 0, 167) }
```

Border

The CSS property to change the border of an element to XYZ 13.5306, 6.1695, 37.0369 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(111, 0, 167) }
```


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

```
.border{ border-color:rgb(111, 0, 167) }
```

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

Here you see how a box with a 4 pixel rgb(111, 0, 167) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 0, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 0, 167);  
box-shadow:4px 4px 4px 4px rgb(111, 0,  
167) }
```

Background

The CSS property to change the background color of an element to XYZ 13.5306, 6.1695, 37.0369 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 0, 167) }
```

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

```
.background{ background-color: rgb(111, 0,  
167) }
```

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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