

Converting Colors

XYZ(37.0100, 59.5562, 23.1805)

Have a look what the booklet for
XYZ(37.0100, 59.5562, 23.1805)
contains.

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Color

**XYZ(37.0100, 59.5562,
23.1805)**

Conversions

Conversions Part 1

Format	Color
Hex	72E36A
RGB	114, 227, 106
RGB Percent	45%, 89%, 42%
CMY	0.5529, 0.1098, 0.5843
CMYK	0.50, 0.00, 0.53, 0.11
HSL	116°, 68%, 65%
HSV	116°, 53%, 89%
XYZ	37.0100, 59.5562, 23.1805
YIQ	179.4190, -28.5070, -61.5870

Conversions

Conversions Part 2

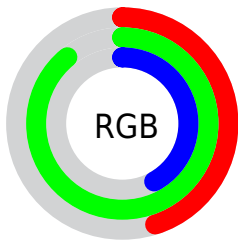
Format	Color
RYB	106, 227, 219
Decimal	7529322
CIELab	81.60, -55.56, 48.85
CIELCh	82, 73.979, 138.678
Yxy	59.5562, 0.3091, 0.4974
Android (android.graphics.Color)	4285719402 (0xFF72E36A)
YUV	179.4190, -36.1956, -57.3725
Hunter-Lab	77.1727, -49.4482, 36.2118

Details

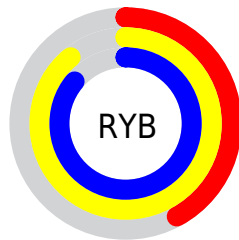
The XYZ color **37.0100, 59.5562, 23.1805** is a light color, and the websafe version is hex **66CC66**. A complement of this color would be **48.2358, 30.9163, 76.1014**, and the grayscale version is **43.2709, 45.5244, 49.5760**.

A 20% lighter version of the original color is **59.3387, 82.9423, 46.1397**, and **16.5940, 30.0960, 8.4245** is the 20% darker color. If you saturate the color by 10%, you get **33.5373, 57.8866, 17.6507**, and if you desaturate by 10%, it is **41.4370, 61.6853, 30.3882**.

Distribution



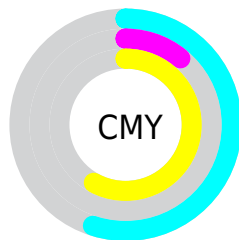
- Red (45%)
- Green (89%)
- Blue (42%)



- Red (42%)
- Yellow (89%)
- Blue (86%)



- Cyan (50%)
- Magenta (0%)
- Yellow (53%)
- Black (11%)



- Cyan (55%)
- Magenta (11%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.0100, 59.5562, 23.1805 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 37.0100, 59.5562, 23.1805 by changing the saturation by 10% instead.

■ 37.0100, 59.5562,
23.1805

■ 37.0100, 59.5562,
23.1805

324.7086,
422.9600, 281.8026

■ 25.3889, 43.0610,
14.5203

■ 69.9019, 104.1856,
49.6165

■ 16.4973, 29.9330,
8.3406

■ 91.9034, 133.0886,
68.2293

■ 9.9698, 19.7877,
4.2227

■ 118.0959,
166.8964, 90.9968

■ 5.4411, 12.2408,
1.7483

■ 148.8445,
205.9933, 118.3375

■ 2.5457, 6.9079,
0.3935

184.5148,
250.7637, 150.6699

■ 0.9184, 3.4046,
0.0000

225.4720,

■ 0.0000, 1.3464,

301.5920, 188.4125

0.0000

272.0815,
358.8627, 231.9839

■ 0.0000, 0.1767,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 37.0100, 59.5562,
23.1805

■ 37.0100, 59.5562,
23.1805

■ 33.5373, 57.8866,
17.6507

■ 41.4370, 61.6853,
30.3882

■ 30.9447, 56.6356,
13.6597


■ 46.8771, 64.2961,
39.3902


■ 29.1538, 55.7682,
11.0532


■ 53.3891, 67.4185,
50.2970


■ 28.0703, 55.2398,
9.6424

■ 61.0264, 71.0778,
63.2092

 27.6674, 55.0422,
9.1660

 69.8387, 75.2976,
78.2202

 79.8726, 80.1000,
95.4177

 86.7603, 83.4206,
106.1368

Harmonies

Analogous

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



47.5711, 59.5562, 12.8835



37.0100, 59.5562, 23.1805



32.0828, 59.5562, 49.4627

Triad

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



37.0100, 59.5562, 23.1805



50.9434, 59.5562, 190.0577



89.8725, 59.5562, 41.1320

Complementary

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



37.0100, 59.5562, 23.1805



48.2358, 30.9163, 76.1014

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.



91.2287, 59.5562, 83.1291



37.0100, 59.5562, 23.1805



66.7189, 59.5562, 184.3008

Square

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



37.0100, 59.5562, 23.1805



39.0885, 59.5562, 152.6209



82.1269, 59.5562, 139.3006



78.7037, 59.5562, 19.4881

Rectangle

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



37.0100, 59.5562, 23.1805



31.9191, 59.5562, 78.6257



82.1269, 59.5562, 139.3006



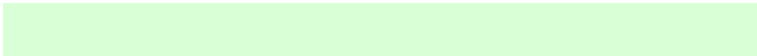
91.5581, 59.5562, 52.7794

Sweetspot

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



37.0115, 59.5587, 23.1818



76.5077, 91.1211, 77.3081



59.5969, 68.0028, 23.6213



15.9273, 19.2888, 15.7881



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



37.0115, 59.5587, 23.1818



43.2292, 75.1484, 22.3061



39.6238, 60.4887, 42.1325



14.2771, 16.1344, 15.2662



16.1689, 32.1168, 5.3470



1.2260, 2.3894, 0.3966

Inverse Universe

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



48.2358, 30.9163, 76.1014



59.2424, 34.1111, 98.0694



44.5301, 29.7187, 43.7260



14.8961, 14.5642, 18.1704



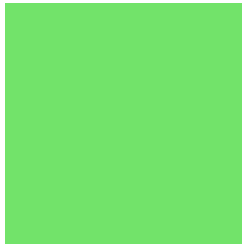
23.9598, 11.4176, 43.3242



1.7991, 0.8584, 3.2028

Previews

White Background



This preview shows how the XYZ color 37.0100, 59.5562, 23.1805 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 37.0100, 59.5562, 23.1805 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

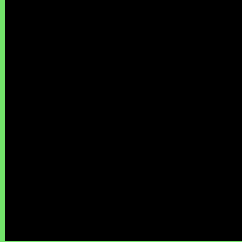
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.0100, 59.5562, 23.1805

Background



This preview shows how black text looks on a background with the XYZ color 37.0100, 59.5562, 23.1805.



This preview shows how white text looks on a background with the XYZ color 37.0100, 59.5562,

23.1805.

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

37.0100, 59.5562, 23.1805

Protanopia

53.7566, 58.8109, 20.0736

Deuteranopia

59.6003, 58.3496, 24.3410



Tritanopia

49.2856, 59.4381, 84.4764

Trichromacy



Original Color

37.0100, 59.5562, 23.1805



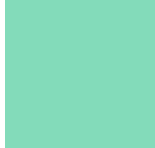
Protanomaly

45.1717, 57.5954, 21.0481



Deuteranomaly

47.7819, 56.7028, 23.7556



Tritanomaly

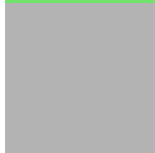
43.5545, 59.0335, 55.5534

Monochromacy



Original Color

37.0100, 59.5562, 23.1805



Achromatopsia

42.8472, 45.0786, 49.0906



Achromatomaly

38.9250, 48.7154, 37.0572

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.0100, 59.5562, 23.1805 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(114, 227, 106)` looks like.

```
.text, #text, p{  
    color:rgb(114, 227, 106)  
}
```

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(114, 227, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 227, 106) }
```

Border

The CSS property to change the border of an element to XYZ 37.0100, 59.5562, 23.1805 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(114, 227, 106) }
```


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

```
.border{ border-color:rgb(114, 227, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 227, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 227, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 227, 106);  
box-shadow:4px 4px 4px 4px rgb(114, 227,  
106) }
```

Background

The CSS property to change the background color of an element to XYZ 37.0100, 59.5562, 23.1805 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 227, 106) }
```

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

```
.background{ background-color: rgb(114,  
227, 106) }
```

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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