

Converting Colors

XYZ(23.6731, 37.4128, 11.1430)

Have a look what the booklet for
XYZ(23.6731, 37.4128, 11.1430)
contains.

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Color

**XYZ(23.7174, 37.5579,
11.1536)**

Conversions

Conversions Part 1

Format	Color
Hex	67B842
RGB	103, 184, 66
RGB Percent	40%, 72%, 26%
CMY	0.5961, 0.2784, 0.7412
CMYK	0.44, 0.00, 0.64, 0.28
HSL	101°, 47%, 49%
HSV	101°, 64%, 72%
XYZ	23.7174, 37.5579, 11.1536
YIQ	146.3290, -10.3980, -53.8700

Conversions

Conversions Part 2

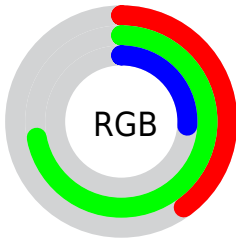
Format	Color
R _{YB}	66, 184, 147
Decimal	6797378
CIE Lab	67.69, -45.96, 50.72
CIE LCh	68, 68.448, 132.184
Yxy	37.5579, 0.3275, 0.5185
Android (android.graphics.Color)	4284987458 (0xFF67B842)
YUV	146.3290, -39.6022, -37.9995
Hunter-Lab	61.2845, -38.1675, 32.1085

Details

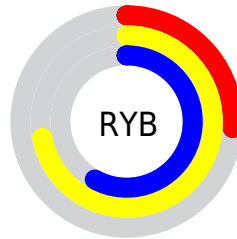
The XYZ color **23.7174, 37.5579, 11.1536** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **22.6344, 13.5614, 46.7741**, and the grayscale version is **27.6183, 29.0566, 31.6427**.

A 20% lighter version of the original color is **49.0831, 71.6134, 28.6886**, and **9.0813, 16.5297, 2.7981** is the 20% darker color. If you saturate the color by 10%, you get **21.9190, 36.6849, 8.6792**, and if you desaturate by 10%, it is **25.9109, 38.6168, 14.5588**.

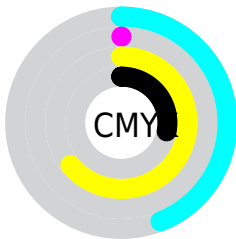
Distribution



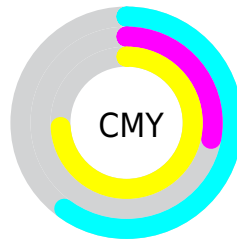
- Red (40%)
- Green (72%)
- Blue (26%)



- Red (26%)
- Yellow (72%)
- Blue (58%)



- Cyan (44%)
- Magenta (0%)
- Yellow (64%)
- Black (28%)




- Cyan (60%)
- Magenta (28%)
- Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.7174, 37.5579, 11.1536 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 23.7174, 37.5579, 11.1536 by changing the saturation by 10% instead.


 23.7174, 37.5579,
11.1536


 23.7174, 37.5579,
11.1536

263.8557,
335.7197, 209.4934


 15.2477, 25.6397,
6.0548


 49.0267, 71.4300,
28.5848


 9.0809, 16.5543,
2.8091

 66.5970, 94.1527,
41.7543


 4.8515, 9.9173,
0.9980


 87.9316, 121.2458,
58.4511

 2.1943, 5.3441,
0.0000

 113.3957,
153.0936, 79.0937

 0.7397, 2.4506,
0.0000

 143.3549,
190.0804, 104.1007

 0.0000, 0.8517,
0.0000

178.1744,

 0.0000, 0.0000,

232.5908, 133.8907

0.0000

218.2195,
281.0091, 168.8821

■ 23.7174, 37.5579,
11.1536

■ 23.7174, 37.5579,
11.1536

■ 21.9190, 36.6849,
8.6792

■ 25.9109, 38.6168,
14.5588

■ 20.4860, 35.9809,
7.0409

■ 28.5213, 39.8675,
18.9725

■ 19.3876, 35.4337,
6.1282

■ 31.5715, 41.3215,
24.4669

■ 18.8683, 35.1728,
5.7946

■ 35.0821, 42.9879,
31.1070

■ 39.0720, 44.8753,
38.9527

■ 43.5594, 46.9917,
48.0596

■ 48.5611, 49.3447,
58.4799

■ 54.0934, 51.9416,
70.2630

■ 60.1717, 54.7894,
83.4555

Harmonies

Analogous

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



31.5786, 37.5579, 6.3092



23.7174, 37.5579, 11.1536



19.6365, 37.5579, 25.5481

Triad

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



23.7174, 37.5579, 11.1536



29.8345, 37.5579, 125.0841



59.4711, 37.5579, 29.8008

Complementary

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



23.7174, 37.5579, 11.1536



22.6344, 13.5614, 46.7741

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.



58.7479, 37.5579, 61.4085



23.7174, 37.5579, 11.1536



40.1602, 37.5579, 128.2285

Square

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



23.7174, 37.5579, 11.1536



22.6586, 37.5579, 93.7415



51.1550, 37.5579, 100.9481



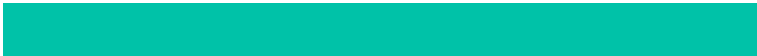
52.9705, 37.5579, 12.9420

Rectangle

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



23.7174, 37.5579, 11.1536



18.9992, 37.5579, 43.1521



51.1550, 37.5579, 100.9481



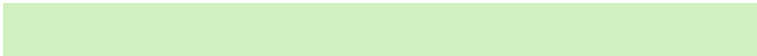
60.0958, 37.5579, 38.7164

Sweetspot

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



23.7183, 37.5595, 11.1544



66.9623, 79.5190, 62.9508



31.1289, 31.3389, 9.5631



14.0013, 16.9371, 12.7218



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.



23.7183, 37.5595, 11.1544



38.5745, 65.9314, 14.3239



21.1347, 36.1395, 15.0156



9.1482, 10.1931, 9.5922



13.0686, 24.2734, 3.9965



0.5265, 0.8896, 0.1440

Inverse Universe

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



22.6344, 13.5614, 46.7741



36.3078, 18.9429, 83.9473



28.2711, 16.7095, 36.0905



9.0996, 9.0177, 11.3404



11.9997, 5.4973, 31.6817



0.4838, 0.2251, 1.1197

Previews

White Background



This preview shows how the XYZ color 23.7174, 37.5579, 11.1536 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 23.7174, 37.5579, 11.1536 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 23.7174, 37.5579, 11.1536

Background



This preview shows how black text looks on a background with the XYZ color 23.7174, 37.5579, 11.1536.



This preview shows how white text looks on a background with the XYZ color 23.7174, 37.5579,

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

23.7174, 37.5579, 11.1536

Protanopia

33.6195, 36.9444, 9.6340

Deuteranopia

37.7871, 36.9814, 11.8031



Tritanopia

31.7838, 37.2612, 51.9713

Trichromacy



Original Color

23.7174, 37.5579, 11.1536

Protanomaly

28.7588, 36.3436, 10.0567

Deuteranomaly

30.7423, 35.9558, 11.4508

Tritanomaly

27.6103, 36.7167, 31.2230

Monochromacy



Original Color

23.7174, 37.5579, 11.1536

Achromatopsia

27.3213, 28.7441, 31.3023

Achromatomaly

24.9876, 31.1718, 21.5294

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.7174, 37.5579, 11.1536 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(103, 184, 66)` looks like.

```
.text, #text, p{  
    color:rgb(103, 184, 66)  
}
```

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(103, 184, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 184, 66) }
```

Border

The CSS property to change the border of an element to XYZ 23.7174, 37.5579, 11.1536 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(103, 184, 66) }
```


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

```
.border{ border-color:rgb(103, 184, 66) }
```

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

Here you see how a box with a 4 pixel rgb(103, 184, 66) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 184, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 184, 66);  
box-shadow:4px 4px 4px 4px rgb(103, 184,  
66) }
```

Background

The CSS property to change the background color of an element to XYZ 23.7174, 37.5579, 11.1536 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 184, 66) }
```

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

```
.background{ background-color: rgb(103,  
184, 66) }
```

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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