

Converting Colors

XYZ(23.5812, 36.8831, 15.8153)

Have a look what the booklet for
XYZ(23.5812, 36.8831, 15.8153)
contains.

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Color

**XYZ(23.5460, 36.7526,
15.7505)**

Conversions

Conversions Part 1

Format	Color
Hex	61B65B
RGB	97, 182, 91
RGB Percent	38%, 71%, 36%
CMY	0.6196, 0.2863, 0.6431
CMYK	0.47, 0.00, 0.50, 0.29
HSL	116°, 38%, 54%
HSV	116°, 50%, 71%
XYZ	23.5460, 36.7526, 15.7505
YIQ	146.2110, -21.4490, -46.3210

Conversions

Conversions Part 2

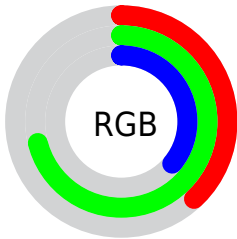
Format	Color
RYB	91, 182, 176
Decimal	6403675
CIELab	67.09, -44.13, 38.27
CIELCh	67, 58.412, 139.064
Yxy	36.7526, 0.3096, 0.4833
Android (android.graphics.Color)	4284593755 (0xFF61B65B)
YUV	146.2110, -27.2190, -43.1580
Hunter-Lab	60.6239, -36.7634, 27.0328

Details

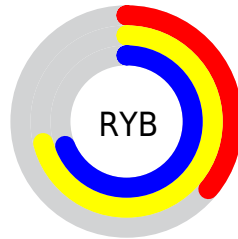
The XYZ color **23.5460, 36.7526, 15.7505** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **30.0910, 20.0910, 46.5499**, and the grayscale version is **27.5235, 28.9568, 31.5340**.

A 20% lighter version of the original color is **48.9613, 70.4885, 37.0117**, and **8.9561, 16.0298, 4.7198** is the 20% darker color. If you saturate the color by 10%, you get **21.2329, 35.6412, 12.0294**, and if you desaturate by 10%, it is **26.4395, 38.1434, 20.4942**.

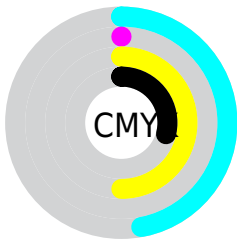
Distribution



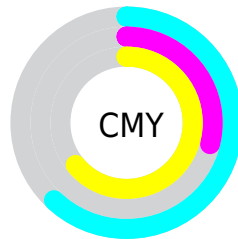
- Red (38%)
- Green (71%)
- Blue (36%)



- Red (36%)
- Yellow (71%)
- Blue (69%)



- Cyan (47%)
- Magenta (0%)
- Yellow (50%)
- Black (29%)



- Cyan (62%)
- Magenta (29%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.5460, 36.7526, 15.7505 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 23.5460, 36.7526, 15.7505 by changing the saturation by 10% instead.

■ 23.5460, 36.7526,
15.7505

■ 23.5460, 36.7526,
15.7505

263.0004,
332.2382, 239.6602

■ 15.1201, 25.0160,
9.1953

■ 48.7484, 70.1921,
36.9253

■ 8.9906, 16.0890,
4.7703

■ 66.2556, 92.6638,
52.3819

■ 4.7921, 9.5871,
2.0567

■ 87.5206, 119.4827,
71.6429

■ 2.1593, 5.1261,
0.5898

■ 112.9088,
151.0331, 95.1266

■ 0.7212, 2.3214,
0.0000

142.7855,
187.6995, 123.2516

■ 0.0000, 0.7850,
0.0000

177.5161,

■ 0.0000, 0.0000,

229.8662, 156.4365

0.0000

217.4660,
277.9176, 195.0999

■ 23.5460, 36.7526,
15.7505

■ 23.5460, 36.7526,
15.7505

■ 21.2329, 35.6412,
12.0294

■ 26.4395, 38.1434,
20.4942

■ 19.4586, 34.7861,
9.2534

■ 29.9461, 39.8257,
26.3255

■ 18.1799, 34.1680,
7.3383


■ 34.0994, 41.8165,
33.3069


■ 17.3461, 33.7629,
6.1836

■ 38.9296, 44.1303,
41.4954

■ 16.8803, 33.5355,
5.5833

■ 44.4651, 46.7806,
50.9443

 16.8802, 33.5355,
5.5833

 50.7325, 49.7799,
61.7037

 57.7573, 53.1404,
73.8209

 65.5637, 56.8736,
87.3410

 74.1745, 60.9903,
102.3068

Harmonies

Analogous

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



29.6417, 36.7526, 9.2917



23.5460, 36.7526, 15.7505



20.6948, 36.7526, 31.4312

Triad

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



23.5460, 36.7526, 15.7505



31.7892, 36.7526, 109.8844



53.7044, 36.7526, 26.0639

Complementary

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



23.5460, 36.7526, 15.7505



30.0910, 20.0910, 46.5499

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.



54.5440, 36.7526, 50.0400



23.5460, 36.7526, 15.7505



40.8175, 36.7526, 106.4004

Square

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



23.5460, 36.7526, 15.7505



24.8877, 36.7526, 89.5550



49.5001, 36.7526, 81.4201



47.3701, 36.7526, 13.2596

Rectangle

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



23.5460, 36.7526, 15.7505



20.6265, 36.7526, 48.2349



49.5001, 36.7526, 81.4201



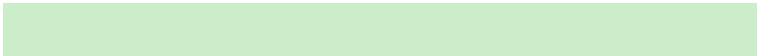
54.6746, 36.7526, 32.7905

Sweetspot

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



23.5469, 36.7541, 15.7513



65.8188, 77.7259, 67.1488



36.6937, 41.7268, 16.0182



14.1384, 16.9762, 14.1555



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.



23.5469, 36.7541, 15.7513



38.1234, 64.4363, 21.2213



25.1020, 37.3051, 27.1506



8.9437, 10.0876, 9.5826



11.9414, 23.6923, 3.9437



0.4396, 0.8448, 0.1399

Inverse Universe

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



30.0910, 20.0910, 46.5499



51.3103, 30.7392, 83.4646



27.9590, 19.3983, 28.0867



9.3209, 9.1318, 11.3508



17.6924, 8.4320, 31.9481



0.6414, 0.3064, 1.1271

Previews

White Background



This preview shows how the XYZ color 23.5460, 36.7526, 15.7505 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 23.5460, 36.7526, 15.7505 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

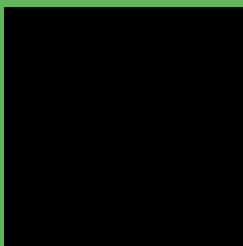
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 23.5460, 36.7526, 15.7505

Background



This preview shows how black text looks on a background with the XYZ color 23.5460, 36.7526, 15.7505.



This preview shows how white text looks on a background with the XYZ color 23.5460, 36.7526,

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

23.5460, 36.7526, 15.7505

Protanopia

33.1110, 36.0645, 13.6035

Deuteranopia

36.9519, 36.1948, 16.5940



Tritanopia

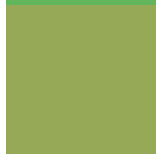
30.7119, 36.7208, 51.3681

Trichromacy



Original Color

23.5460, 36.7526, 15.7505



Protanomaly

28.3027, 35.4536, 14.3683



Deuteranomaly

30.2186, 35.3136, 16.0500



Tritanomaly

27.4179, 36.5362, 34.8853

Monochromacy



Original Color

23.5460, 36.7526, 15.7505



Achromatopsia

27.3213, 28.7441, 31.3023



Achromatomaly

25.0661, 30.8918, 24.3803

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.5460, 36.7526, 15.7505 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(97, 182, 91)` looks like.

```
.text, #text, p{  
    color:rgb(97, 182, 91)  
}
```

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(97, 182, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 182, 91) }
```

Border

The CSS property to change the border of an element to XYZ 23.5460, 36.7526, 15.7505 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(97, 182, 91) }
```


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

```
.border{ border-color:rgb(97, 182, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 182, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 182, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 182, 91);  
box-shadow:4px 4px 4px 4px rgb(97, 182,  
91) }
```

Background

The CSS property to change the background color of an element to XYZ 23.5460, 36.7526, 15.7505 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 182, 91) }
```

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

```
.background{ background-color: rgb(97, 182,  
91) }
```

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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