

Converting Colors

XYZ(23.6633, 37.3408, 16.6481)

Have a look what the booklet for
XYZ(23.6633, 37.3408, 16.6481)
contains.

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Color

**XYZ(23.6751, 37.4163,
16.5639)**

Conversions

Conversions Part 1

Format	Color
Hex	5DB85E
RGB	93, 184, 94
RGB Percent	36%, 72%, 37%
CMY	0.6353, 0.2784, 0.6314
CMYK	0.49, 0.00, 0.49, 0.28
HSL	121°, 39%, 54%
HSV	121°, 49%, 72%
XYZ	23.6751, 37.4163, 16.5639
YIQ	146.5310, -25.3460, -47.2820

Conversions

Conversions Part 2

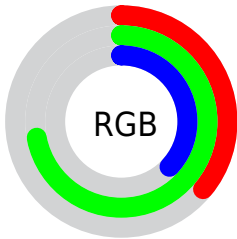
Format	Color
RYB	93, 183, 184
Decimal	6142046
CIELab	67.59, -45.70, 37.35
CIElCh	68, 59.020, 140.738
Yxy	37.4163, 0.3049, 0.4818
Android (android.graphics.Color)	4284332126 (0xFF5DB85E)
YUV	146.5310, -25.8978, -46.9467
Hunter-Lab	61.1689, -37.9580, 26.7631

Details

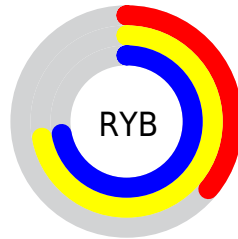
The XYZ color **23.6751, 37.4163, 16.5639** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **32.2299, 21.4387, 47.2404**, and the grayscale version is **27.6513, 29.0913, 31.6805**.

A 20% lighter version of the original color is **49.0380, 71.3755, 38.3864**, and **9.0519, 16.4618, 5.1830** is the 20% darker color. If you saturate the color by 10%, you get **21.3095, 36.2814, 12.6818**, and if you desaturate by 10%, it is **26.6832, 38.8624, 21.4826**.

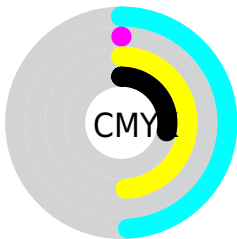
Distribution



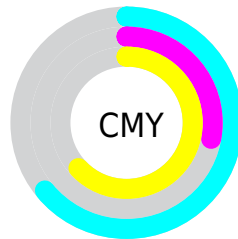
- Red (36%)
- Green (72%)
- Blue (37%)



- Red (36%)
- Yellow (72%)
- Blue (72%)



- Cyan (49%)
- Magenta (0%)
- Yellow (49%)
- Black (28%)





- Cyan (64%)
- Magenta (28%)
- Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.6751, 37.4163, 16.5639 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 23.6751, 37.4163, 16.5639 by changing the saturation by 10% instead.


 23.6751, 37.4163,
16.5639

 23.6751, 37.4163,
16.5639


263.6448,
335.1094, 244.6048


 15.2162, 25.5300,
9.7654


 48.9580, 71.2126,
38.3548


 9.0586, 16.4723,
5.1401


 66.5128, 93.8914,
54.1842

 4.8368, 9.8590,
2.2695


 87.8302, 120.9364,
73.8610

 2.1856, 5.3056,
0.7141

 113.2757,
152.7321, 97.8037

 0.7351, 2.4276,
0.0000

143.2145,
189.6628, 126.4310

 0.0000, 0.8401,
0.0000

178.0121,

 0.0000, 0.0000,

232.1130, 160.1612

0.0000

218.0337,
280.4671, 199.4130

■ 23.6751, 37.4163,
16.5639

■ 23.6751, 37.4163,
16.5639

■ 21.3095, 36.2814,
12.6818

■ 26.6832, 38.8624,
21.4826

■ 19.5371, 35.4305,
9.7598

■ 30.3728, 40.6350,
27.5020

■ 18.3062, 34.8399,
7.7151


■ 34.7832, 42.7543,
34.6841


■ 17.5550, 34.4799,
6.4498


■ 39.9497, 45.2371,
43.0855


■ 17.1702, 34.2955,
5.8012

■ 45.9056, 48.0995,
52.7591

 17.1523, 34.2869,
5.7722

 52.6819, 51.3565,
63.7547

 60.3082, 55.0222,
76.1195

 68.8123, 59.1101,
89.8982

 76.4312, 62.7625,
102.6937

Harmonies

Analogous

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



29.7266, 37.4163, 9.5694



23.6751, 37.4163, 16.5639



20.9525, 37.4163, 33.2033

Triad

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



23.6751, 37.4163, 16.5639



32.8237, 37.4163, 112.7972



54.5395, 37.4163, 25.4625

Complementary

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



23.6751, 37.4163, 16.5639



32.2299, 21.4387, 47.2404

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.



55.7512, 37.4163, 49.3387



23.6751, 37.4163, 16.5639



42.1174, 37.4163, 107.7663

Square

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



23.6751, 37.4163, 16.5639



25.6095, 37.4163, 93.0805



50.8836, 37.4163, 81.3359



47.8100, 37.4163, 12.9756

Rectangle

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



23.6751, 37.4163, 16.5639



21.0075, 37.4163, 50.7953



50.8836, 37.4163, 81.3359



55.6458, 37.4163, 32.1078

Sweetspot

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



23.6760, 37.4179, 16.5647



66.8198, 79.3114, 69.0021



38.8851, 45.2636, 17.0435



13.9944, 16.9006, 14.2076



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.



23.6760, 37.4179, 16.5647



38.4310, 65.6727, 22.6648



26.2794, 38.4592, 30.2742



8.8943, 10.0617, 9.6006



11.8225, 23.6299, 3.9871



0.4181, 0.8336, 0.1477

Inverse Universe

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



32.2299, 21.4387, 47.2404



55.6808, 33.4416, 84.5200



28.3064, 19.8692, 26.5791



9.3766, 9.1610, 11.3304



19.4427, 9.3508, 31.2815



0.6868, 0.3302, 1.1100

Previews

White Background



This preview shows how the XYZ color 23.6751, 37.4163, 16.5639 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 23.6751, 37.4163, 16.5639 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

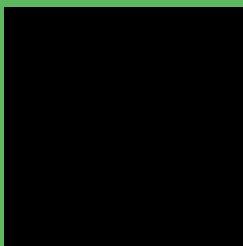
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

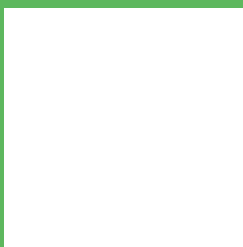
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.6751, 37.4163, 16.5639

Background



This preview shows how black text looks on a background with the XYZ color 23.6751, 37.4163, 16.5639.



This preview shows how white text looks on a background with the XYZ color 23.6751, 37.4163,

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

23.6751, 37.4163, 16.5639

Protanopia

33.8181, 36.9423, 14.3650

Deuteranopia

37.5261, 36.7223, 17.4222



Tritanopia

31.0232, 37.4137, 53.1634

Trichromacy



Original Color

23.6751, 37.4163, 16.5639



Protanomaly

28.6211, 36.1599, 15.1439



Deuteranomaly

30.3380, 35.6279, 16.8332



Tritanomaly

27.6970, 37.2381, 36.2997

Monochromacy



Original Color

23.6751, 37.4163, 16.5639



Achromatopsia

27.7328, 29.1771, 31.7738



Achromatomaly

25.2195, 31.2122, 25.1174

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.6751, 37.4163, 16.5639 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(93, 184, 94)` looks like.

```
.text, #text, p{  
    color:rgb(93, 184, 94)  
}
```

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(93, 184, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 184, 94) }
```

Border

The CSS property to change the border of an element to XYZ 23.6751, 37.4163, 16.5639 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(93, 184, 94) }
```


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

```
.border{ border-color:rgb(93, 184, 94) }
```

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

Here you see how a box with a 4 pixel rgb(93, 184, 94) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 184, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 184, 94);  
box-shadow:4px 4px 4px 4px rgb(93, 184,  
94) }
```

Background

The CSS property to change the background color of an element to XYZ 23.6751, 37.4163, 16.5639 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 184, 94) }
```

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

```
.background{ background-color: rgb(93, 184,  
94) }
```

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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