

Converting Colors

XYZ(23.1476, 36.7837, 15.1680)

Have a look what the booklet for
XYZ(23.1476, 36.7837, 15.1680)
contains.

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Color

**XYZ(23.2091, 36.8987,
15.1314)**

Conversions

Conversions Part 1

Format	Color
Hex	5DB758
RGB	93, 183, 88
RGB Percent	36%, 72%, 35%
CMY	0.6353, 0.2823, 0.6549
CMYK	0.49, 0.00, 0.52, 0.28
HSL	117°, 40%, 53%
HSV	117°, 52%, 72%
XYZ	23.2091, 36.8987, 15.1314
YIQ	145.2600, -23.1450, -48.6250

Conversions

Conversions Part 2

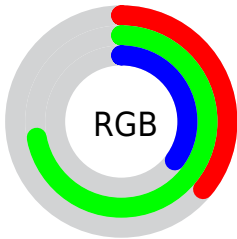
Format	Color
RYB	88, 183, 178
Decimal	6141784
CIELab	67.20, -46.11, 39.86
CIELCh	67, 60.944, 139.159
Yxy	36.8987, 0.3085, 0.4904
Android (android.graphics.Color)	4284331864 (0xFF5DB758)
YUV	145.2600, -28.2292, -45.8320
Hunter-Lab	60.7443, -38.1015, 27.7519

Details

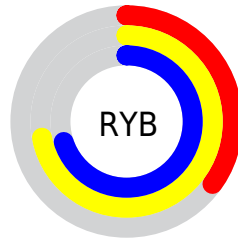
The XYZ color **23.2091, 36.8987, 15.1314** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **30.3990, 19.8646, 47.0338**, and the grayscale version is **27.1382, 28.5515, 31.0926**.

A 20% lighter version of the original color is **48.2881, 70.6032, 35.8937**, and **8.7958, 16.1475, 4.4869** is the 20% darker color. If you saturate the color by 10%, you get **20.9841, 35.8296, 11.5550**, and if you desaturate by 10%, it is **26.0241, 38.2521, 19.7302**.

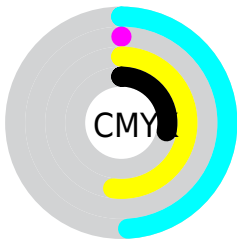
Distribution



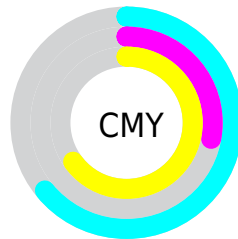
- Red (36%)
- Green (72%)
- Blue (35%)



- Red (35%)
- Yellow (72%)
- Blue (70%)



- Cyan (49%)
- Magenta (0%)
- Yellow (52%)
- Black (28%)





- Cyan (64%)
- Magenta (28%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.2091, 36.8987, 15.1314 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 23.2091, 36.8987, 15.1314 by changing the saturation by 10% instead.


 23.2091, 36.8987,
15.1314


 23.2091, 36.8987,
15.1314


261.3125,
332.8717, 235.8283


 14.8695, 25.1291,
8.7640


 48.2006, 70.4170,
35.8291


 8.8136, 16.1732,
4.4929


 65.5832, 92.9344,
50.9965

 4.6759, 9.6468,
1.8994


 86.7109, 119.8032,
69.9343

 2.0912, 5.1654,
0.4924

 111.9489,
151.4078, 93.0610

 0.6844, 2.3446,
0.0000

141.6628,
188.1325, 120.7952

 0.0000, 0.7972,
0.0000

176.2178,

 0.0000, 0.0000,

230.3618, 153.5555

0.0000

215.9792,
278.4801, 191.7603

■ 23.2091, 36.8987,
15.1314

■ 23.2091, 36.8987,
15.1314

■ 20.9841, 35.8296,
11.5550

■ 26.0241, 38.2521,
19.7302

■ 19.3045, 35.0204,
8.9208

■ 29.4639, 39.9031,
25.4185

■ 18.1241, 34.4500,
7.1406

■ 33.5642, 41.8696,
32.2609

■ 17.3875, 34.0923,
6.1086

■ 38.3569, 44.1670,
40.3160

■ 17.0547, 33.9306,
5.6504

■ 43.8719, 46.8095,
49.6386

■ 50.1375, 49.8105,
60.2799

■ 57.1803, 53.1827,
72.2885

■ 65.0257, 56.9382,
85.7105

■ 73.6978, 61.0885,
100.5899

Harmonies

Analogous

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



29.5244, 36.8987, 8.6211



23.2091, 36.8987, 15.1314



20.2783, 36.8987, 31.2941

Triad

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



23.2091, 36.8987, 15.1314



31.8144, 36.8987, 114.3729



54.8169, 36.8987, 25.6055

Complementary

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



23.2091, 36.8987, 15.1314



30.3990, 19.8646, 47.0338

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.



55.7258, 36.8987, 50.5980



23.2091, 36.8987, 15.1314



41.2723, 36.8987, 110.5552

Square

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



23.2091, 36.8987, 15.1314



24.6296, 36.8987, 92.7001



50.4111, 36.8987, 83.8294



48.1115, 36.8987, 12.5545

Rectangle

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



23.2091, 36.8987, 15.1314



20.2151, 36.8987, 48.8904



50.4111, 36.8987, 83.8294



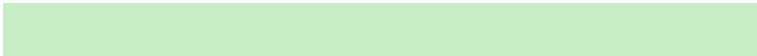
55.8501, 36.8987, 32.5647

Sweetspot

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



23.2100, 36.9003, 15.1322



64.8021, 77.2339, 65.6505



36.9479, 42.0865, 15.4092



13.9267, 16.8735, 13.8514



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.



23.2100, 36.9003, 15.1322



37.1991, 63.9839, 20.0885



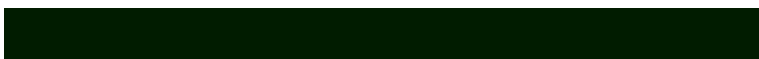
24.9327, 37.5328, 26.7585



8.9329, 10.0820, 9.5821



11.9155, 23.6790, 3.9425



0.4349, 0.8424, 0.1397

Inverse Universe

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



30.3990, 19.8646, 47.0338



51.4197, 30.1817, 83.3512



27.8894, 18.9957, 27.7234



9.3330, 9.1380, 11.3513



18.0613, 8.6221, 31.9654



0.6510, 0.3113, 1.1275

Previews

White Background



This preview shows how the XYZ color 23.2091, 36.8987, 15.1314 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 23.2091, 36.8987, 15.1314 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 23.2091, 36.8987, 15.1314

Background



This preview shows how black text looks on a background with the XYZ color 23.2091, 36.8987, 15.1314.



This preview shows how white text looks on a background with the XYZ color 23.2091, 36.8987,

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

23.2091, 36.8987, 15.1314

Protanopia

33.4048, 36.4918, 13.0676

Deuteranopia

37.0756, 36.2747, 15.8741



Tritanopia

30.4255, 36.5609, 51.9077

Trichromacy



Original Color

23.2091, 36.8987, 15.1314

Protanomaly

28.1877, 35.6854, 13.7898

Deuteranomaly

29.8841, 35.1566, 15.3360

Tritanomaly

26.9742, 36.3168, 34.4423

Monochromacy



Original Color

23.2091, 36.8987, 15.1314

Achromatopsia

26.9133, 28.3149, 30.8349

Achromatomaly

24.6404, 30.6871, 23.6933

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.2091, 36.8987, 15.1314 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, 183, 88)` looks like.

```
.text, #text, p{  
    color:rgb(93, 183, 88)  
}
```

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, 183, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 183, 88) }
```

Border

The CSS property to change the border of an element to XYZ 23.2091, 36.8987, 15.1314 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, 183, 88) }
```


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

```
.border{ border-color:rgb(93, 183, 88) }
```

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

Here you see how a box with a 4 pixel rgb(93, 183, 88) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 183, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 183, 88);  
box-shadow:4px 4px 4px 4px rgb(93, 183,  
88) }
```

Background

The CSS property to change the background color of an element to XYZ 23.2091, 36.8987, 15.1314 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 183, 88) }
```

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

```
.background{ background-color: rgb(93, 183,  
88) }
```

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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