

Converting Colors

XYZ(23.1000, 32.6666, 13.6168)

Have a look what the booklet for
XYZ(23.1000, 32.6666, 13.6168)
contains.

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Color

**XYZ(23.1638, 32.8137,
13.7072)**

Conversions

Conversions Part 1

Format	Color
Hex	75A955
RGB	117, 169, 85
RGB Percent	46%, 66%, 33%
CMY	0.5412, 0.3372, 0.6667
CMYK	0.31, 0.00, 0.50, 0.34
HSL	97°, 33%, 50%
HSV	97°, 50%, 66%
XYZ	23.1638, 32.8137, 13.7072
YIQ	143.8760, -4.0280, -37.1480

Conversions

Conversions Part 2

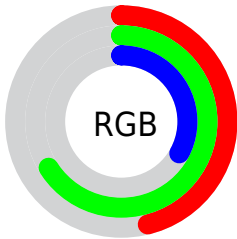
Format	Color
RYB	85, 169, 137
Decimal	7711061
CIELab	64.01, -32.55, 37.71
CIELCh	64, 49.819, 130.802
Yxy	32.8137, 0.3324, 0.4709
Android (android.graphics.Color)	4285901141 (0xFF75A955)
YUV	143.8760, -29.0259, -23.5703
Hunter-Lab	57.2832, -28.0651, 25.9109

Details

The XYZ color **23.1638, 32.8137, 13.7072** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **20.7279, 14.6810, 39.2791**, and the grayscale version is **26.5744, 27.9583, 30.4466**.

A 20% lighter version of the original color is **48.1637, 64.2859, 33.1625**, and **8.7438, 13.7420, 3.8607** is the 20% darker color. If you saturate the color by 10%, you get **21.2431, 31.8931, 10.5216**, and if you desaturate by 10%, it is **25.4036, 33.8823, 17.7462**.

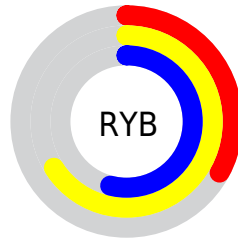
Distribution



Red (46%)

Green (66%)

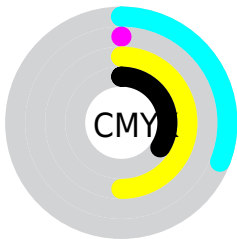
Blue (33%)



Red (33%)

Yellow (66%)

Blue (54%)

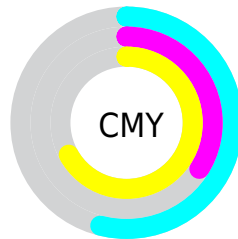


Cyan (31%)

Magenta (0%)

Yellow (50%)

Black (34%)



Cyan (54%)


Magenta (34%)


Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.1638, 32.8137, 13.7072 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 23.1638, 32.8137, 13.7072 by changing the saturation by 10% instead.


 23.1638, 32.8137,
13.7072


 23.1638, 32.8137,
13.7072


261.0848,
314.8094, 226.7664


 14.8359, 21.9838,
7.7809

 48.1268, 64.0846,
33.2782


 8.7898, 13.8450,
3.8693


 65.4926, 85.2943,
47.7600


 4.6604, 8.0129,
1.5539


 86.6018, 110.7327,
65.9306

 2.0821, 4.1032,
0.2576

 111.8196,
140.7842, 88.2087

 0.6794, 1.7315,
0.0000

 141.5114,
175.8333, 115.0128

 0.0000, 0.4439,
0.0000

176.0427,

 0.0000, 0.0000,

216.2642, 146.7614

0.0000

215.7787,
262.4615, 183.8731

■ 23.1638, 32.8137,
13.7072

■ 23.1638, 32.8137,
13.7072

■ 21.2431, 31.8931,
10.5216

■ 25.4036, 33.8823,
17.7462

■ 19.6224, 31.1089,
8.1258

■ 27.9755, 35.1014,
22.6917

■ 18.2839, 30.4546,
6.4509


■ 30.8946, 36.4786,
28.5950


■ 17.2064, 29.9209,
5.4154


■ 34.1743, 38.0198,
35.5032


■ 16.3507, 29.4915,
4.8450

■ 37.8271, 39.7306,
43.4599

 16.3276, 29.4799,
4.8296

 41.8650, 41.6161,
52.5065

 46.2995, 43.6816,
62.6819

 51.1414, 45.9316,
74.0231

 56.4012, 48.3710,
86.5657

Harmonies

Analogous

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



28.7232, 32.8137, 9.5987



23.1638, 32.8137, 13.7072



20.0861, 32.8137, 24.4515

Triad

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



23.1638, 32.8137, 13.7072



26.9517, 32.8137, 86.1704



46.4381, 32.8137, 28.9537

Complementary

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



23.1638, 32.8137, 13.7072



20.7279, 14.6810, 39.2791

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.



45.7735, 32.8137, 50.0288



23.1638, 32.8137, 13.7072



33.7908, 32.8137, 88.8353

Square

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



23.1638, 32.8137, 13.7072



22.0351, 32.8137, 67.4618



40.8805, 32.8137, 73.7705



42.5793, 32.8137, 15.9337

Rectangle

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



23.1638, 32.8137, 13.7072



19.5317, 32.8137, 36.2732



40.8805, 32.8137, 73.7705



46.7494, 32.8137, 35.1893

Sweetspot

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



23.1646, 32.8151, 13.7079



57.8520, 66.5154, 56.4701



26.9205, 26.9267, 12.3734



12.3558, 14.3783, 11.7775



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



23.1646, 32.8151, 13.7079



37.6148, 56.9094, 18.1739



19.9918, 31.1313, 15.7348



7.6968, 8.5418, 8.0323



12.2241, 21.9990, 3.6020



0.3545, 0.5647, 0.0903

Inverse Universe

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



20.7279, 14.6810, 39.2791



32.6930, 20.5186, 69.4625



25.8873, 17.4431, 34.8960



7.5609, 7.5218, 9.4717



9.7073, 4.3877, 28.3108



0.2904, 0.1347, 0.6913

Previews

White Background



This preview shows how the XYZ color 23.1638, 32.8137, 13.7072 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 23.1638, 32.8137, 13.7072 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 23.1638, 32.8137, 13.7072

Background



This preview shows how black text looks on a background with the XYZ color 23.1638, 32.8137, 13.7072.



This preview shows how white text looks on a background with the XYZ color 23.1638, 32.8137,

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

23.1638, 32.8137, 13.7072

Protanopia

29.7469, 32.5679, 12.3078

Deuteranopia

33.0182, 32.2970, 14.1666



Tritanopia

29.2046, 32.6001, 43.7829

Trichromacy



Original Color

23.1638, 32.8137, 13.7072

Protanomaly

26.8563, 32.3301, 12.8075

Deuteranomaly

28.3831, 31.8287, 13.8801

Tritanomaly

26.4350, 32.5235, 29.6953

Monochromacy



Original Color

23.1638, 32.8137, 13.7072

Achromatopsia

26.5089, 27.8894, 30.3716

Achromatomaly

24.7979, 29.2809, 23.0837

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.1638, 32.8137, 13.7072 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(117, 169, 85)` looks like.

```
.text, #text, p{  
    color:rgb(117, 169, 85)  
}
```

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(117, 169, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 169, 85) }
```

Border

The CSS property to change the border of an element to XYZ 23.1638, 32.8137, 13.7072 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(117, 169, 85) }
```


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

```
.border{ border-color:rgb(117, 169, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 169, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 169, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 169, 85);  
box-shadow:4px 4px 4px 4px rgb(117, 169,  
85) }
```

Background

The CSS property to change the background color of an element to XYZ 23.1638, 32.8137, 13.7072 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 169, 85) }
```

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

```
.background{ background-color: rgb(117,  
169, 85) }
```

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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