

Converting Colors

XYZ(15.0115, 22.9621, 2.9556)

Have a look what the booklet for
XYZ(15.0115, 22.9621, 2.9556)
contains.

XYZ(15.2086, 23.0992, 3.6570)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(15.2086, 23.0992,
3.6570)**

Conversions

Conversions Part 1

Format	Color
Hex	619200
RGB	97, 146, 0
RGB Percent	38%, 57%, 0%
CMY	0.6196, 0.4274, 1.0000
CMYK	0.34, 0.00, 1.00, 0.43
HSL	80°, 100%, 29%
HSV	80°, 100%, 57%
XYZ	15.2086, 23.0992, 3.6570
YIQ	114.7050, 17.6620, -55.7940

Conversions

Conversions Part 2

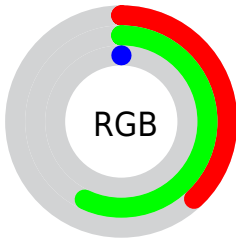
Format	Color
RYB	0, 146, 49
Decimal	6394368
CIELab	55.17, -35.34, 58.19
CIELCh	55, 68.076, 121.271
Yxy	23.0992, 0.3624, 0.5504
Android (android.graphics.Color)	4284584448 (0xFF619200)
YUV	114.7050, -56.5496, -15.5273
Hunter-Lab	48.0616, -27.6234, 29.1318

Details

The XYZ color **15.2086, 23.0992, 3.6570** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **6.4561, 2.7290, 27.3821**, and the grayscale version is **16.3692, 17.2217, 18.7544**.

A 20% lighter version of the original color is **34.6773, 48.4136, 13.1473**, and **5.0885, 8.6980, 1.4107** is the 20% darker color. If you saturate the color by 10%, you get **15.2087, 23.1000, 3.6572**, and if you desaturate by 10%, it is **15.8310, 23.4112, 4.1220**.

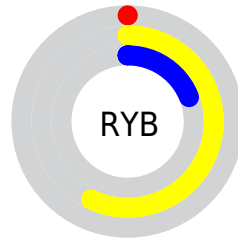
Distribution



Red (38%)

Green (57%)

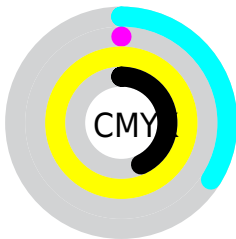
Blue (0%)



Red (0%)

Yellow (57%)

Blue (19%)

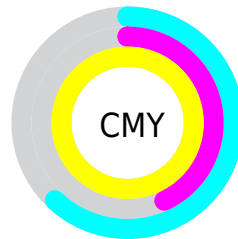


Cyan (34%)

Magenta (0%)

Yellow (100%)

Black (43%)



Cyan (62%)

Magenta (43%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.2086, 23.0992, 3.6570 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 15.2086, 23.0992, 3.6570 by changing the saturation by 10% instead.

■ 15.2086, 23.0992,
3.6570

■ 15.2086, 23.0992,
3.6570

217.9888,
268.2341, 144.3330

■ 9.0532, 14.6668,
1.4391

■ 34.7874, 48.5562,
13.2106

■ 4.8333, 8.5859,
0.1720

■ 48.9414, 66.3495,
21.3835

■ 2.1835, 4.4721,
0.0000

■ 66.4924, 88.0319,
32.3784

■ 0.7340, 1.9410,
0.0000

■ 87.8057, 113.9878,
46.6139


■ 0.0000, 0.5728,
0.0000


■ 113.2466,
144.6016, 64.5086


■ 0.0000, 0.0000,
0.0000


■ 143.1806,


180.2576, 86.4810


 177.9728,
221.3403, 112.9496

 15.2086, 23.0992,
3.6570


 15.2086, 23.0992,
3.6570


 15.2087, 23.1000,
3.6572

 15.8310, 23.4112,
4.1220

 16.5433, 23.7621,
4.8908

 17.3747, 24.1645,
6.1129

 18.3365, 24.6230,
7.8445

 19.4383, 25.1415,
10.1338

■ 20.6888, 25.7234,
13.0234

■ 22.0957, 26.3721,
16.5517

■ 23.6661, 27.0903,
20.7539

■ 25.4069, 27.8809,
25.6626

Harmonies

Analogous

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



21.6324, 23.0992, 2.2221



15.2086, 23.0992, 3.6570



11.4708, 23.0992, 9.9196

Triad

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



15.2086, 23.0992, 3.6570



15.6526, 23.0992, 82.6081



40.0484, 23.0992, 24.2337

Complementary

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



15.2086, 23.0992, 3.6570



6.4561, 2.7290, 27.3821

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.



37.4273, 23.0992, 51.1122



15.2086, 23.0992, 3.6570



22.2810, 23.0992, 94.4989

Square

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



15.2086, 23.0992, 3.6570



11.6824, 23.0992, 53.7369



30.4494, 23.0992, 80.5728



36.9664, 23.0992, 9.0793

Rectangle

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



15.2086, 23.0992, 3.6570



10.4457, 23.0992, 19.3188



30.4494, 23.0992, 80.5728



39.8016, 23.0992, 32.0529

Sweetspot

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



15.2091, 23.1002, 3.6575



38.8165, 46.4471, 28.7814



12.9395, 8.2809, 0.9167



8.4225, 10.2348, 5.8600



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



15.2091, 23.1002, 3.6575



26.6432, 40.6534, 6.4426



10.6644, 20.7573, 3.4448



6.0782, 6.6482, 6.2033



13.4072, 20.3395, 3.2193



0.1955, 0.2652, 0.0409

Inverse Universe

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



6.4561, 2.7290, 27.3821



11.2245, 4.7291, 48.2948



13.1683, 6.1893, 27.6962



5.6720, 5.7219, 7.2752



5.7025, 2.4123, 24.0961



0.0987, 0.0444, 0.2963

Previews

White Background



This preview shows how the XYZ color 15.2086, 23.0992, 3.6570 looks on a white background.

Color Contrast Check

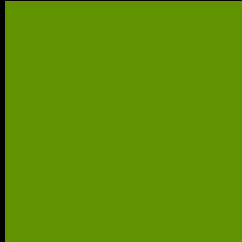
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.2086, 23.0992, 3.6570 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 × Fail

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

XYZ 15.2086, 23.0992, 3.6570

Background



This preview shows how black text looks on a background with the XYZ color 15.2086, 23.0992, 3.6570.



This preview shows how white text looks on a background with the XYZ color 15.2086, 23.0992,

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

15.2086, 23.0992, 3.6570

Protanopia

20.6457, 22.8921, 3.3305

Deuteranopia

23.2691, 22.8581, 4.2842



Tritanopia

20.7527, 23.1596, 30.9802

Trichromacy



Original Color

15.2086, 23.0992, 3.6570

Protanomaly

18.1516, 22.6371, 3.4127

Deuteranomaly

19.4812, 22.4815, 3.8849

Tritanomaly

17.4619, 22.6901, 14.0490

Monochromacy



Original Color

15.2086, 23.0992, 3.6570

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

14.8478, 18.5909, 9.1092

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.2086, 23.0992, 3.6570 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, 146, 0)` looks like.

```
.text, #text, p{  
    color:rgb(97, 146, 0)  
}
```

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, 146, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 146, 0) }
```

Border

The CSS property to change the border of an element to XYZ 15.2086, 23.0992, 3.6570 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, 146, 0) }
```


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

```
.border{ border-color:rgb(97, 146, 0) }
```

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

Here you see how a box with a 4 pixel rgb(97, 146, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 146, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 146, 0);  
box-shadow:4px 4px 4px 4px rgb(97, 146, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 15.2086, 23.0992, 3.6570 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 146, 0) }
```

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

```
.background{ background-color: rgb(97, 146,  
0) }
```

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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