

Converting Colors

XYZ(29.8137, 42.5042, 23.0037)

Have a look what the booklet for
XYZ(29.8137, 42.5042, 23.0037)
contains.

XYZ(29.9516, 42.7335, 23.1928)	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(29.9516, 42.7335,
23.1928)**

Conversions

Conversions Part 1

Format	Color
Hex	7BBF74
RGB	123, 191, 116
RGB Percent	48%, 75%, 45%
CMY	0.5176, 0.2510, 0.5451
CMYK	0.36, 0.00, 0.39, 0.25
HSL	114°, 37%, 60%
HSV	114°, 39%, 75%
XYZ	29.9516, 42.7335, 23.1928
YIQ	162.1180, -16.4530, -37.7410

Conversions

Conversions Part 2

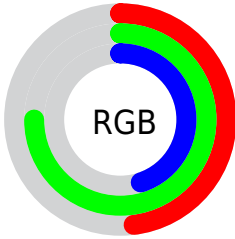
Format	Color
RYB	116, 191, 184
Decimal	8109940
CIELab	71.37, -36.36, 31.20
CIELCh	71, 47.913, 139.368
Yxy	42.7335, 0.3124, 0.4457
Android (android.graphics.Color)	4286300020 (0xFF7BBF74)
YUV	162.1180, -22.7362, -34.3065
Hunter-Lab	65.3709, -32.6139, 24.7242

Details

The XYZ color **29.9516, 42.7335, 23.1928** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **35.4184, 26.4440, 52.5299**, and the grayscale version is **34.5076, 36.3047, 39.5358**.

A 20% lighter version of the original color is **59.0889, 79.4644, 49.7600**, and **12.4548, 19.5868, 8.2784** is the 20% darker color. If you saturate the color by 10%, you get **26.6910, 41.1693, 17.8250**, and if you desaturate by 10%, it is **33.8811, 44.6186, 29.7861**.

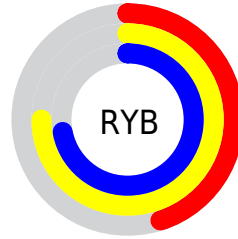
Distribution



Red (48%)

Green (75%)

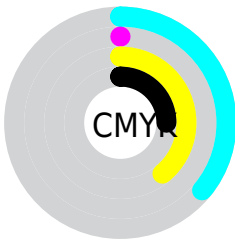
Blue (45%)



Red (45%)

Yellow (75%)

Blue (72%)

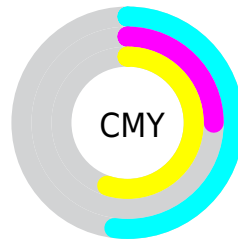


Cyan (36%)

Magenta (0%)

Yellow (39%)

Black (25%)



Cyan (52%)

Magenta (25%)

Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.9516, 42.7335, 23.1928 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 29.9516, 42.7335, 23.1928 by changing the saturation by 10% instead.

■ 29.9516, 42.7335,
23.1928

■ 29.9516, 42.7335,
23.1928

293.5927,
357.5146, 281.8677

■ 19.9497, 29.6761,
14.5293

■ 58.9728, 79.3085,
49.6369

■ 12.4666, 19.5928,
8.3468

■ 78.7228, 103.5950,
68.2546

■ 7.1367, 12.0994,
4.2267

■ 102.4530,
132.3931, 91.0274

■ 3.5948, 6.8114,
1.7505

130.5286,
166.0875, 118.3740

■ 1.4756, 3.3445,
0.3950

163.3150,
205.0625, 150.7127

■ 0.3091, 1.3141,
0.0000

201.1776,

■ 0.0000, 0.1521,

249.7024, 188.4622

0.0000

244.4817,
300.3916, 232.0410

■ 0.0000, 0.0000,
0.0000

■ 29.9516, 42.7335,
23.1928

■ 29.9516, 42.7335,
23.1928

■ 26.6910, 41.1693,
17.8250

■ 33.8811, 44.6186,
29.7861

■ 24.0588, 39.9031,
13.6045

■ 38.5106, 46.8355,
37.6710

■ 22.0153, 38.9173,
10.4486


■ 43.8730, 49.4009,
46.9122


■ 20.5147, 38.1906,
8.2623

■ 49.9983, 52.3291,
57.5694


■ 19.5044, 37.6981,
6.9339


■ 56.9149, 55.6335,
69.6985

 18.9097, 37.4057,
6.2636

 64.6495, 59.3266,
83.3526

 18.8778, 37.3902,
6.2221

 73.2278, 63.4207,
98.5820

 77.9216, 65.7433,
103.1905

Harmonies

Analogous

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



35.6898, 42.7335, 15.9557



29.9516, 42.7335, 23.1928



27.2066, 42.7335, 38.8093

Triad

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



29.9516, 42.7335, 23.1928



37.8233, 42.7335, 105.2255



57.0673, 42.7335, 33.3046

Complementary

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



29.9516, 42.7335, 23.1928



35.4184, 26.4440, 52.5299

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.



57.8374, 42.7335, 55.2111



29.9516, 42.7335, 23.1928



45.9778, 42.7335, 102.2388

Square

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



29.9516, 42.7335, 23.1928



31.3351, 42.7335, 89.0094



53.5540, 42.7335, 81.8424



51.5714, 42.7335, 20.3148

Rectangle

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



29.9516, 42.7335, 23.1928



27.1611, 42.7335, 54.1365



53.5540, 42.7335, 81.8424



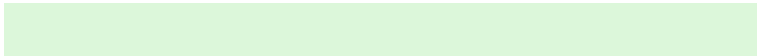
57.9126, 42.7335, 39.6707

Sweetspot

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



29.9527, 42.7353, 23.1937



75.6273, 87.0644, 78.9212



41.6769, 46.4130, 23.2857



16.3229, 18.9826, 16.8400



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



29.9527, 42.7353, 23.1937



48.6168, 74.1229, 33.2515



31.0229, 43.0518, 33.8701



9.4892, 10.6911, 10.1401



12.4369, 24.5873, 4.0903



0.5153, 0.9776, 0.1615

Inverse Universe

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



35.4184, 26.4440, 52.5299



59.7306, 40.9142, 93.0282



34.1658, 26.1415, 36.9648



9.8398, 9.6498, 12.0162



17.5680, 8.3427, 33.0773



0.7140, 0.3401, 1.2969

Previews

White Background



This preview shows how the XYZ color 29.9516, 42.7335, 23.1928 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 29.9516, 42.7335, 23.1928 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 29.9516, 42.7335, 23.1928

Background



This preview shows how black text looks on a background with the XYZ color 29.9516, 42.7335, 23.1928.



This preview shows how white text looks on a background with the XYZ color 29.9516, 42.7335,

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

29.9516, 42.7335, 23.1928

Protanopia

39.1316, 42.3234, 20.5748

Deuteranopia

43.0637, 42.3080, 24.3089



Tritanopia

36.9689, 42.4365, 58.4672

Trichromacy



Original Color

29.9516, 42.7335, 23.1928



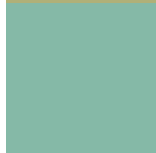
Protanomaly

34.9718, 41.9194, 21.5773



Deuteranomaly

36.8200, 41.6368, 23.8654



Tritanomaly

33.9969, 42.4745, 42.9658

Monochromacy



Original Color

29.9516, 42.7335, 23.1928



Achromatopsia

34.3422, 36.1307, 39.3463



Achromatomaly

32.2671, 38.2274, 32.4660

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.9516, 42.7335, 23.1928 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(123, 191, 116)` looks like.

```
.text, #text, p{  
    color:rgb(123, 191, 116)  
}
```

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(123, 191, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 191, 116) }
```

Border

The CSS property to change the border of an element to XYZ 29.9516, 42.7335, 23.1928 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(123, 191, 116) }
```


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

```
.border{ border-color:rgb(123, 191, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 191, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 191, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 191, 116);  
box-shadow:4px 4px 4px 4px rgb(123, 191,  
116) }
```

Background

The CSS property to change the background color of an element to XYZ 29.9516, 42.7335, 23.1928 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 191, 116) }
```

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

```
.background{ background-color: rgb(123,  
191, 116) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor