

Converting Colors

XYZ(42.4013, 68.7170, 23.0833)

Have a look what the booklet for
XYZ(42.4013, 68.7170, 23.0833)
contains.

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Color

**XYZ(42.3646, 68.7094,
23.0860)**

Conversions

Conversions Part 1

Format	Color
Hex	7CF264
RGB	124, 242, 100
RGB Percent	49%, 95%, 39%
CMY	0.5137, 0.0510, 0.6078
CMYK	0.49, 0.00, 0.59, 0.05
HSL	110°, 85%, 67%
HSV	110°, 59%, 95%
XYZ	42.3646, 68.7094, 23.0860
YIQ	190.5300, -24.7460, -69.1780

Conversions

Conversions Part 2

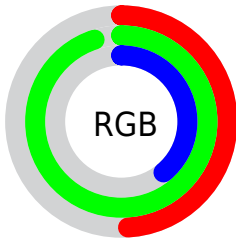
Format	Color
RYB	100, 242, 218
Decimal	8188516
CIELab	86.36, -59.27, 57.22
CIELCh	86, 82.386, 136.006
Yxy	68.7094, 0.3158, 0.5121
Android (android.graphics.Color)	4286378596 (0xFF7CF264)
YUV	190.5300, -44.6313, -58.3468
Hunter-Lab	82.8911, -53.8304, 41.5109

Details

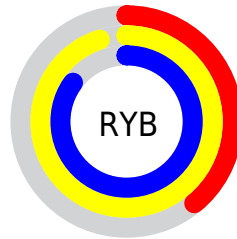
The XYZ color **42.3646, 68.7094, 23.0860** is a light color, and the websafe version is hex **99FF66**. A complement of this color would be **49.5010, 30.4329, 87.2731**, and the grayscale version is **49.5110, 52.0895, 56.7254**.

A 20% lighter version of the original color is **61.4436, 84.0769, 44.0004**, and **19.6671, 35.8404, 8.2642** is the 20% darker color. If you saturate the color by 10%, you get **38.7474, 66.9625, 17.6846**, and if you desaturate by 10%, it is **46.9257, 70.9068, 30.3498**.

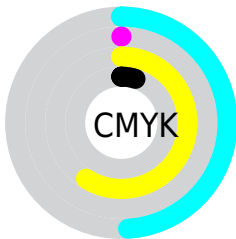
Distribution



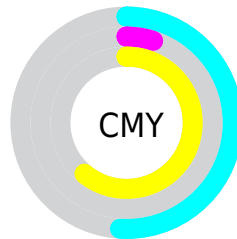
- Red (49%)
- Green (95%)
- Blue (39%)



- Red (39%)
- Yellow (95%)
- Blue (85%)



- Cyan (49%)
- Magenta (0%)
- Yellow (59%)
- Black (5%)





- Cyan (51%)
- Magenta (5%)
- Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.3646, 68.7094, 23.0860 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 42.3646, 68.7094, 23.0860 by changing the saturation by 10% instead.


 42.3646, 68.7094,
23.0860


 42.3646, 68.7094,
23.0860


346.9581,
456.0054, 281.3026


 29.5792, 50.4751,
14.4511


 78.0128, 117.3664,
49.4595


 19.6659, 35.7910,
8.2928


 101.6064,
148.5579, 68.0352

 12.2593, 24.2728,
4.1924


 129.5335,
184.8372, 90.7616

 6.9940, 15.5361,
1.7315

 162.1594,
226.5888, 118.0572

 3.5046, 9.1965,
0.3822

199.8494,
274.1970, 150.3405

 1.4259, 4.8696,
0.0000

242.9690,

 0.2746, 2.1709,

328.0462, 188.0302

0.0000

291.8834,
388.5209, 231.5447

■ 0.0000, 0.7041,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 42.3646, 68.7094,
23.0860

■ 42.3646, 68.7094,
23.0860

■ 38.7474, 66.9625,
17.6846

■ 46.9257, 70.9068,
30.3498

■ 36.0009, 65.6260,
13.9718


■ 52.4867, 73.5742,
39.6203


■ 34.0489, 64.6669,
11.7489


■ 59.1053, 76.7404,
51.0325

■ 32.7908, 64.0397,
10.7246

■ 66.8331, 80.4295,
64.7088

 32.6638, 63.9763,
10.6271

 75.7183, 84.6639,
80.7621

 85.8062, 89.4646,
99.2978

 91.0435, 91.9870,
107.5645

Harmonies

Analogous

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



55.7289, 68.7094, 12.5340



42.3646, 68.7094, 23.0860



35.8517, 68.7094, 52.2299

Triad

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



42.3646, 68.7094, 23.0860



56.8533, 68.7094, 229.4791



107.1608, 68.7094, 49.4816

Complementary

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



42.3646, 68.7094, 23.0860



49.5010, 30.4329, 87.2731

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.



107.6243, 68.7094, 103.1156



42.3646, 68.7094, 23.0860



75.9223, 68.7094, 227.4738

Square

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



42.3646, 68.7094, 23.0860



43.0493, 68.7094, 178.3359



95.3190, 68.7094, 173.7316



94.1544, 68.7094, 21.9177

Rectangle

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



42.3646, 68.7094, 23.0860



35.2617, 68.7094, 86.3207



95.3190, 68.7094, 173.7316



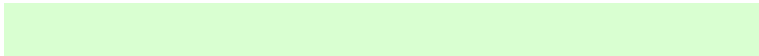
108.8635, 68.7094, 64.3762

Sweetspot

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



42.3663, 68.7123, 23.0875



75.8537, 90.8582, 73.9260



63.4684, 68.8952, 22.0106



15.6588, 19.1722, 14.7928



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



42.3663, 68.7123, 23.0875



43.1051, 75.1539, 19.1632



42.1181, 68.2600, 37.7320



15.8148, 17.7847, 16.7490



17.6234, 34.4067, 5.7123



1.5377, 2.8992, 0.4786

Inverse Universe

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



49.5010, 30.4329, 87.2731



51.6690, 28.4391, 97.3738



51.2595, 32.0261, 56.3260



16.1768, 15.8884, 19.9358



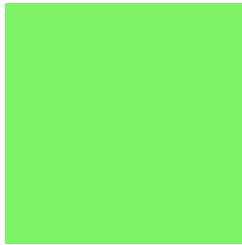
21.6663, 10.1748, 45.9499



1.8711, 0.8818, 3.8258

Previews

White Background



This preview shows how the XYZ color 42.3646, 68.7094, 23.0860 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 42.3646, 68.7094, 23.0860 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

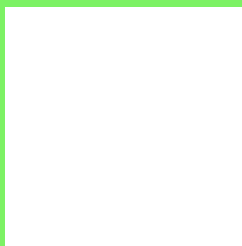
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.3646, 68.7094, 23.0860

Background



This preview shows how black text looks on a background with the XYZ color 42.3646, 68.7094, 23.0860.



This preview shows how white text looks on a background with the XYZ color 42.3646, 68.7094,

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

42.3646, 68.7094, 23.0860

Protanopia

61.8288, 67.7243, 19.9386

Deuteranopia

67.8988, 67.2376, 33.4443



Tritanopia

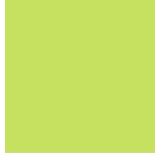
56.8994, 68.2061, 96.5524

Trichromacy



Original Color

42.3646, 68.7094, 23.0860



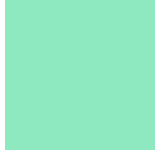
Protanomaly

52.0167, 66.5470, 20.9298



Deuteranomaly

54.7017, 65.3837, 28.8060



Tritanomaly

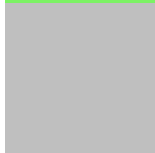
49.5264, 67.2698, 60.2432

Monochromacy



Original Color

42.3646, 68.7094, 23.0860



Achromatopsia

49.5206, 52.0996, 56.7364



Achromatomaly

45.1545, 56.7773, 40.9270

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.3646, 68.7094, 23.0860 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(124, 242, 100)` looks like.

```
.text, #text, p{  
    color:rgb(124, 242, 100)  
}
```

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(124, 242, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 242, 100) }
```

Border

The CSS property to change the border of an element to XYZ 42.3646, 68.7094, 23.0860 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(124, 242, 100) }
```


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

```
.border{ border-color:rgb(124, 242, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 242, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 242, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 242, 100);  
box-shadow:4px 4px 4px 4px rgb(124, 242,  
100) }
```

Background

The CSS property to change the background color of an element to XYZ 42.3646, 68.7094, 23.0860 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 242, 100) }
```

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

```
.background{ background-color: rgb(124,  
242, 100) }
```

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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