

Converting Colors

XYZ(40.3026, 69.4400, 23.1508)

Have a look what the booklet for
XYZ(40.3026, 69.4400, 23.1508)
contains.

XYZ(40.2449, 69.4091, 23.0805)	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(40.2449, 69.4091,
23.0805)**

Conversions

Conversions Part 1	
Format	Color
Hex	62F663
RGB	98, 246, 99
RGB Percent	38%, 96%, 39%
CMY	0.6157, 0.0353, 0.6117
CMYK	0.60, 0.00, 0.60, 0.04
HSL	120°, 89%, 67%
HSV	120°, 60%, 96%
XYZ	40.2449, 69.4091, 23.0805
YIQ	184.9900, -41.0210, -77.0930

Conversions

Conversions Part 2

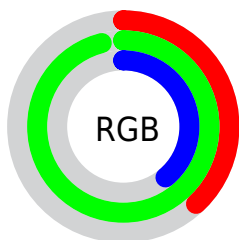
Format	Color
RYB	98, 245, 246
Decimal	6485603
CIELab	86.71, -67.24, 57.83
CIELCh	87, 88.689, 139.304
Yxy	69.4091, 0.3032, 0.5229
Android (android.graphics.Color)	4284675683 (0xFF62F663)
YUV	184.9900, -42.3931, -76.2902
Hunter-Lab	83.3121, -59.5697, 41.8930

Details

The XYZ color **40.2449, 69.4091, 23.0805** is a light color, and the websafe version is hex **66FF66**. A complement of this color would be **58.8570, 34.9218, 90.0255**, and the grayscale version is **46.3548, 48.7689, 53.1093**.

A 20% lighter version of the original color is **56.2907, 81.4302, 43.3226**, and **18.4193, 36.1409, 8.2906** is the 20% darker color. If you saturate the color by 10%, you get **36.9906, 67.8487, 17.7263**, and if you desaturate by 10%, it is **44.6712, 71.5370, 30.3365**.

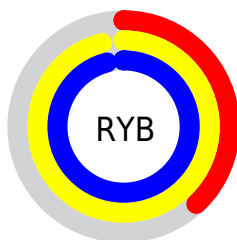
Distribution



Red (38%)

Green (96%)

Blue (39%)



Red (38%)

Yellow (96%)

Blue (96%)

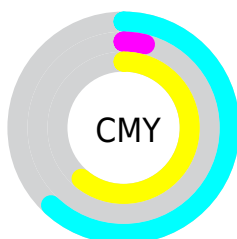


Cyan (60%)

Magenta (0%)

Yellow (60%)

Black (4%)



Cyan (62%)


Magenta (4%)


Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.2449, 69.4091, 23.0805 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 40.2449, 69.4091, 23.0805 by changing the saturation by 10% instead.


 40.2449, 69.4091,
23.0805


 40.2449, 69.4091,
23.0805


338.2715,
458.4725, 281.2735

 27.9146, 51.0450,
14.4471


 74.8183, 118.3657,
49.4503


 18.4014, 36.2444,
8.2900


 97.7920, 149.7270,
68.0239

 11.3400, 24.6230,
4.1906


 125.0444,
186.1894, 90.7478

 6.3650, 15.7964,
1.7305

 156.9406,
228.1373, 118.0408

 3.1110, 9.3802,
0.3815

193.8460,
275.9552, 150.3213

 1.2127, 4.9900,
0.0000


236.1261,


 0.1164, 2.2414,


330.0274, 188.0079


0.0000


284.1461,
390.7384, 231.5191


 0.0000, 0.7424,
0.0000


 0.0000, 0.0000,
0.0000


 40.2449, 69.4091,
23.0805


 40.2449, 69.4091,
23.0805


 36.9906, 67.8487,
17.7263


 44.6712, 71.5370,
30.3365


 34.7928, 66.7938,
14.0918


 50.3611, 74.2701,
39.6449


 33.5218, 66.1843,
11.9680


 57.4027, 77.6529,
51.1466

 32.9663, 65.9180,
11.0339

 65.8751, 81.7234,
64.9687

 75.8510, 86.5166,
81.2287

 87.3984, 92.0652,
100.0361

 92.2472, 94.3944,
107.9657

Harmonies

Analogous

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



53.7131, 69.4091, 11.0812



40.2449, 69.4091, 23.0805



34.1771, 69.4091, 56.3972

Triad

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



40.2449, 69.4091, 23.0805



58.8824, 69.4091, 251.0757



110.9127, 69.4091, 43.9090

Complementary

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



40.2449, 69.4091, 23.0805



58.8570, 34.9218, 90.0255

Split Complementary

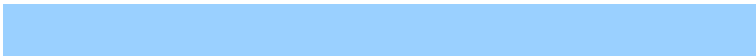
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



113.1046, 69.4091, 98.6706



40.2449, 69.4091, 23.0805



79.9655, 69.4091, 241.3825

Square

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



40.2449, 69.4091, 23.0805



43.3480, 69.4091, 198.4974



100.8296, 69.4091, 176.4296



95.3490, 69.4091, 18.0355

Rectangle

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



40.2449, 69.4091, 23.0805



34.0693, 69.4091, 95.4588



100.8296, 69.4091, 176.4296



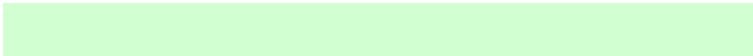
113.3445, 69.4091, 58.6634

Sweetspot

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



40.2466, 69.4120, 23.0821



73.6424, 89.7137, 74.0240



73.1695, 86.3899, 24.3739



15.1319, 18.8994, 14.8159



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.



40.2466, 69.4120, 23.0821



39.5788, 73.3511, 18.3140



45.4409, 71.4897, 50.4349



16.2868, 18.4739, 17.5287



17.5974, 35.1838, 5.8999



1.5482, 3.0929, 0.5268

Inverse Universe

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



58.8570, 34.9218, 90.0255



61.3689, 32.9576, 96.6873



49.8220, 31.3078, 42.4481



17.2085, 16.7663, 20.8447



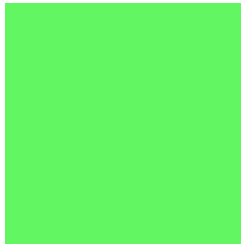
29.0313, 13.9559, 47.0005



2.5531, 1.2272, 4.1390

Previews

White Background



This preview shows how the XYZ color 40.2449, 69.4091, 23.0805 looks on a white background.

Color Contrast Check

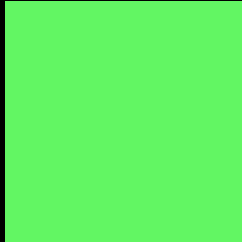
Large Text (above 18pt) WCAG AA × Fail

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 40.2449, 69.4091, 23.0805 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

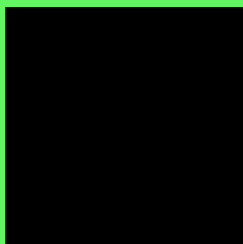
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.2449, 69.4091, 23.0805

Background



This preview shows how black text looks on a background with the XYZ color 40.2449, 69.4091, 23.0805.

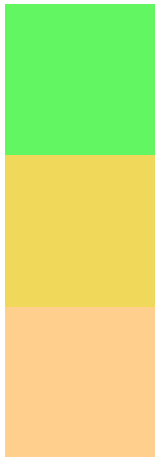


This preview shows how white text looks on a background with the XYZ color 40.2449, 69.4091,

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

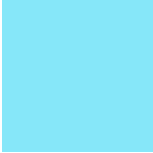
40.2449, 69.4091, 23.0805

Protanopia

62.3365, 68.3752, 19.5851

Deuteranopia

68.3605, 67.8087, 34.6847




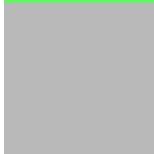
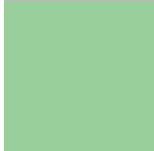
Tritanopia

55.5063, 69.0597, 100.0269

Trichromacy

	Original Color 40.2449, 69.4091, 23.0805
	Protanomaly 50.1839, 66.4198, 20.5313
	Deuteranomaly 52.9110, 65.2250, 29.5396
	Tritanomaly 47.6182, 67.9509, 61.6450

Monochromacy

	Original Color 40.2449, 69.4091, 23.0805
	Achromatopsia 46.1135, 48.5150, 52.8328
	Achromatomaly 41.2824, 53.7310, 38.7672

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.2449, 69.4091, 23.0805 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(98, 246, 99)` looks like.

```
.text, #text, p{  
    color:rgb(98, 246, 99)  
}
```

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(98, 246, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 246, 99) }
```

Border

The CSS property to change the border of an element to XYZ 40.2449, 69.4091, 23.0805 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(98, 246, 99) }
```


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

```
.border{ border-color:rgb(98, 246, 99) }
```

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

Here you see how a box with a 4 pixel rgb(98, 246, 99) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 246, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 246, 99);  
box-shadow:4px 4px 4px 4px rgb(98, 246,  
99) }
```

Background

The CSS property to change the background color of an element to XYZ 40.2449, 69.4091, 23.0805 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 246, 99) }
```

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

```
.background{ background-color: rgb(98, 246,  
99) }
```

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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