

Converting Colors

XYZ(40.4207, 73.5371, 23.0173)

Have a look what the booklet for
XYZ(40.4207, 73.5371, 23.0173)
contains.

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Color

**XYZ(40.5438, 73.7422,
23.1631)**

Conversions

Conversions Part 1

Format	Color
Hex	48FF60
RGB	72, 255, 96
RGB Percent	28%, 100%, 38%
CMY	0.7176, 0.0000, 0.6235
CMYK	0.72, 0.00, 0.62, 0.00
HSL	128°, 100%, 64%
HSV	128°, 72%, 100%
XYZ	40.5438, 73.7422, 23.1631
YIQ	182.1570, -58.0290, -88.2450

Conversions

Conversions Part 2

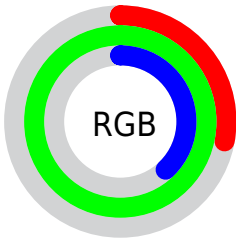
Format	Color
RYB	72, 234, 255
Decimal	4783968
CIELab	88.80, -75.34, 61.30
CIELCh	89, 97.128, 140.868
Yxy	73.7422, 0.2950, 0.5365
Android (android.graphics.Color)	4282974048 (0xFF48FF60)
YUV	182.1570, -42.4754, -96.6077
Hunter-Lab	85.8733, -66.0021, 44.1187

Details

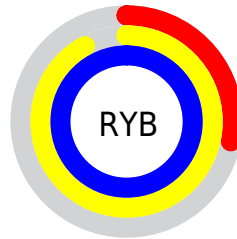
The XYZ color **40.5438, 73.7422, 23.1631** is a dark color, and the websafe version is hex **33FF66**. The color can be described as middle washed spring green. A complement of this color would be **57.9808, 31.6643, 78.6548**, and the grayscale version is **44.7962, 47.1291, 51.3236**.

A 20% lighter version of the original color is **52.9291, 79.7163, 42.3029**, and **20.3002, 40.0661, 8.4139** is the 20% darker color. If you saturate the color by 10%, you get **38.1404, 72.6049, 18.4560**, and if you desaturate by 10%, it is **44.0229, 75.4008, 29.4230**.

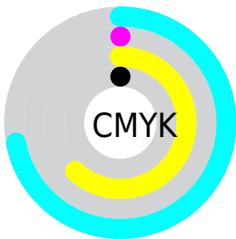
Distribution



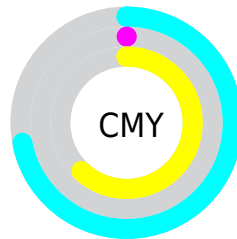
- Red (28%)
- Green (100%)
- Blue (38%)



- Red (28%)
- Yellow (92%)
- Blue (100%)



- Cyan (72%)
- Magenta (0%)
- Yellow (62%)
- Black (0%)





- Cyan (72%)
- Magenta (0%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.5438, 73.7422, 23.1631 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 40.5438, 73.7422, 23.1631 by changing the saturation by 10% instead.


 40.5438, 73.7422,
23.1631


 40.5438, 73.7422,
23.1631


339.5056,
473.5831, 281.7106

 28.1489, 54.5831,
14.5076


 75.2700, 124.5303,
49.5876


 18.5790, 39.0680,
8.3318


 98.3319, 156.9280,
68.1936

 11.4686, 26.8126,
4.2172


 125.6803,
194.5074, 90.9535

 6.4526, 17.4326,
1.7452

 157.6804,
237.6529, 118.2859

 3.1654, 10.5434,
0.3914

194.6977,
286.7488, 150.6092

 1.2418, 5.7607,
0.0000

237.0974,

 0.1390, 2.7001,

342.1795, 188.3421

0.0000

285.2449,
404.3295, 231.9031

■ 0.0000, 0.9773,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 40.5438, 73.7422,
23.1631

■ 40.5438, 73.7422,
23.1631

■ 38.1404, 72.6049,
18.4560

■ 44.0229, 75.4008,
29.4230

■ 36.6823, 71.9246,
15.1623

■ 48.6855, 77.6338,
37.3518

■ 36.0408, 71.6323,
13.3988

■ 54.6272, 80.4882,
47.0587

■ 61.9334, 84.0058,
58.6426

70.6822, 88.2251,
72.1951

80.9458, 93.1814,
87.8016

92.7914, 98.9076,
105.5430

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



55.1869, 73.7422, 9.9001



40.5438, 73.7422, 23.1631



34.2574, 73.7422, 61.4460

Triad

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



40.5438, 73.7422, 23.1631



63.1564, 73.7422, 287.9833



121.3911, 73.7422, 42.4375

Complementary

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



40.5438, 73.7422, 23.1631



57.9808, 31.6643, 78.6548

Split Complementary

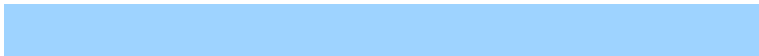
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



124.8745, 73.7422, 102.6458



40.5438, 73.7422, 23.1631



87.4596, 73.7422, 272.2241

Square

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



40.5438, 73.7422, 23.1631



45.2534, 73.7422, 228.4300



111.3340, 73.7422, 192.8665



102.6699, 73.7422, 15.9133

Rectangle

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



40.5438, 73.7422, 23.1631



34.4051, 73.7422, 107.2638



111.3340, 73.7422, 192.8665



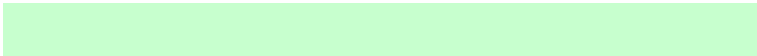
124.5253, 73.7422, 58.2703

Sweetspot

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



40.5441, 73.7424, 23.1643



70.4587, 88.1172, 71.8520



70.7467, 89.4212, 19.6624



14.5439, 18.6015, 14.5528



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.



40.5441, 73.7424, 23.1643



37.4158, 72.2652, 16.8967



47.1738, 76.3943, 58.0755



17.8685, 20.2069, 19.6107



18.8618, 37.4413, 7.1573



1.8651, 3.6570, 0.8477

Inverse Universe

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



57.9808, 31.6643, 78.6548



55.6216, 28.0076, 74.5953



48.4513, 27.8525, 28.4730



18.6841, 18.2570, 22.2196



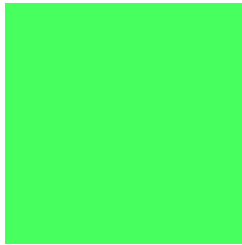
28.4468, 13.8680, 37.3330



2.7971, 1.3612, 3.7787

Previews

White Background



This preview shows how the XYZ color 40.5438, 73.7422, 23.1631 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 40.5438, 73.7422, 23.1631 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

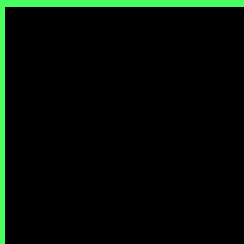
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

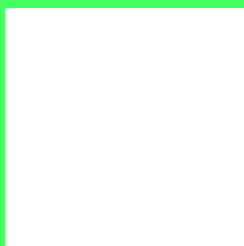
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.5438, 73.7422, 23.1631

Background



This preview shows how black text looks on a background with the XYZ color 40.5438, 73.7422, 23.1631.



This preview shows how white text looks on a background with the XYZ color 40.5438, 73.7422,

Color Blindness Simulation

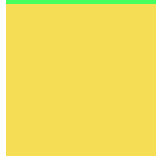
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



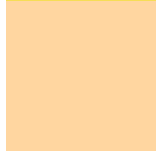
Original Color

40.5438, 73.7422, 23.1631



Protanopia

65.5422, 71.9776, 19.2427



Deuteranopia

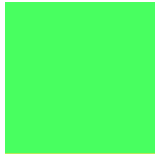
71.6317, 71.8912, 43.3587



Tritanopia

58.3259, 72.9393, 105.6123

Trichromacy



Original Color

40.5438, 73.7422, 23.1631



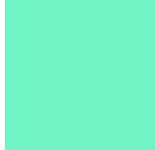
Protanomaly

50.5128, 69.0833, 20.3450



Deuteranomaly

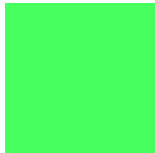
53.2737, 68.5361, 34.0879



Tritanomaly

49.1108, 72.1773, 64.1665

Monochromacy



Original Color

40.5438, 73.7422, 23.1631



Achromatopsia

44.4628, 46.7784, 50.9417



Achromatomaly

39.5417, 53.5861, 37.5372

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.5438, 73.7422, 23.1631 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(72, 255, 96)` looks like.

```
.text, #text, p{  
    color:rgb(72, 255, 96)  
}
```

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(72, 255, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 255, 96) }
```

Border

The CSS property to change the border of an element to XYZ 40.5438, 73.7422, 23.1631 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(72, 255, 96) }
```


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

```
.border{ border-color:rgb(72, 255, 96) }
```

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

Here you see how a box with a 4 pixel rgb(72, 255, 96) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 255, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 255, 96);  
box-shadow:4px 4px 4px 4px rgb(72, 255,  
96) }
```

Background

The CSS property to change the background color of an element to XYZ 40.5438, 73.7422, 23.1631 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 255, 96) }
```

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

```
.background{ background-color: rgb(72, 255,  
96) }
```

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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