

Converting Colors

XYZ(41.0228, 73.9366, 25.5618)

Have a look what the booklet for
XYZ(41.0228, 73.9366, 25.5618)
contains.

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Color

**XYZ(40.9823, 73.9176,
25.4721)**

Conversions

Conversions Part 1

Format	Color
Hex	48FF69
RGB	72, 255, 105
RGB Percent	28%, 100%, 41%
CMY	0.7176, 0.0000, 0.5882
CMYK	0.72, 0.00, 0.59, 0.00
HSL	131°, 100%, 64%
HSV	131°, 72%, 100%
XYZ	40.9823, 73.9176, 25.4721
YIQ	183.1830, -60.9180, -85.4460

Conversions

Conversions Part 2

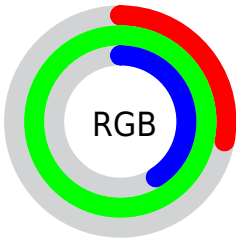
Format	Color
RYB	72, 227, 255
Decimal	4783977
CIELab	88.88, -74.35, 57.60
CIELCh	89, 94.049, 142.234
Yxy	73.9176, 0.2920, 0.5266
Android (android.graphics.Color)	4282974057 (0xFF48FF69)
YUV	183.1830, -38.5442, -97.5075
Hunter-Lab	85.9753, -65.3704, 42.6168

Details

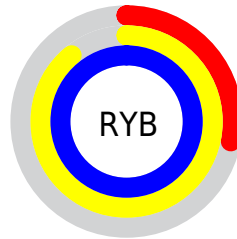
The XYZ color **40.9823, 73.9176, 25.4721** is a dark color, and the websafe version is hex **33FF66**. The color can be described as middle washed spring green. A complement of this color would be **56.7420, 31.1688, 72.1313**, and the grayscale version is **45.3394, 47.7006, 51.9460**.

A 20% lighter version of the original color is **53.4329, 79.8977, 45.8633**, and **20.5206, 40.1543, 9.5747** is the 20% darker color. If you saturate the color by 10%, you get **38.5137, 72.7543, 20.4218**, and if you desaturate by 10%, it is **44.5032, 75.5930, 31.9521**.

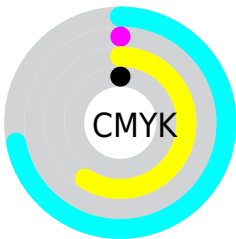
Distribution



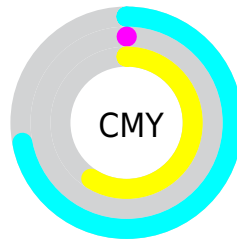
- Red (28%)
- Green (100%)
- Blue (41%)



- Red (28%)
- Yellow (89%)
- Blue (100%)



- Cyan (72%)
- Magenta (0%)
- Yellow (59%)
- Black (0%)



- Cyan (72%)
- Magenta (0%)
- Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.9823, 73.9176, 25.4721 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 40.9823, 73.9176, 25.4721 by changing the saturation by 10% instead.


 40.9823, 73.9176,
25.4721


 40.9823, 73.9176,
25.4721


341.3105,
474.1889, 293.7035


 28.4929, 54.7266,
16.2069


 75.9319, 124.7790,
53.3957


 18.8399, 39.1829,
9.5148


 99.1228, 157.2182,
72.8911

 11.6579, 26.9020,
4.9771


 126.6115,
194.8422, 96.6338

 6.5817, 17.4996,
2.1753

 158.7635,
238.0355, 125.0421

 3.2459, 10.5914,
0.6601

195.9440,
287.1824, 158.5347

 1.2851, 5.7928,
0.0000

238.5184,

 0.1720, 2.7195,

342.6674, 197.5301

0.0000

286.8521,
404.8747, 242.4469

0.0000, 0.9871,
0.0000

0.0000, 0.0000,
0.0000

40.9823, 73.9176,
25.4721

40.9823, 73.9176,
25.4721

38.5137, 72.7543,
20.4218

44.5032, 75.5930,
31.9521


36.9722, 72.0406,
16.6888


49.1800, 77.8316,
39.9553


36.2529, 71.7172,
14.5155


55.1045, 80.6791,
49.5717

62.3590, 84.1761,
60.8831

 71.0186, 88.3597,
73.9657

 81.1529, 93.2642,
88.8912

 92.8266, 98.9217,
105.7273

 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.



54.9369, 73.9176, 11.2245



40.9823, 73.9176, 25.4721



35.1512, 73.9176, 64.6793

Triad

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



40.9823, 73.9176, 25.4721



64.4964, 73.9176, 280.0381



119.1609, 73.9176, 41.7050

Complementary

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



40.9823, 73.9176, 25.4721



56.7420, 31.1688, 72.1313

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.



123.2720, 73.9176, 98.6732



40.9823, 73.9176, 25.4721



88.1880, 73.9176, 261.6610

Square

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



40.9823, 73.9176, 25.4721



46.6787, 73.9176, 226.1597



110.9313, 73.9176, 184.4885



100.6770, 73.9176, 16.4343

Rectangle

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



40.9823, 73.9176, 25.4721



35.5267, 73.9176, 110.1337



110.9313, 73.9176, 184.4885



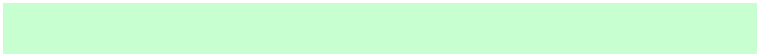
122.4106, 73.9176, 56.6989

Sweetspot

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



40.9827, 73.9178, 25.4733



70.7974, 88.2527, 73.6358



67.8256, 87.9153, 19.5258



14.6224, 18.6329, 14.9659



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.



40.9827, 73.9178, 25.4733



37.7557, 72.4011, 18.6862



48.1703, 76.7929, 63.3230



17.9053, 20.2216, 19.8043



18.9812, 37.4891, 7.7864



1.8827, 3.6640, 0.9399

Inverse Universe

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



56.7420, 31.1688, 72.1313



54.1856, 27.4332, 67.0336



47.7912, 27.5885, 24.9971



18.6438, 18.2408, 22.0075



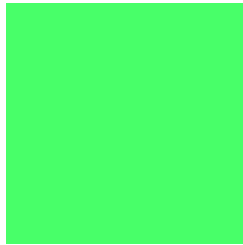
27.6141, 13.5349, 32.9479



2.7237, 1.3318, 3.3923

Previews

White Background



This preview shows how the XYZ color 40.9823, 73.9176, 25.4721 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 40.9823, 73.9176, 25.4721 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

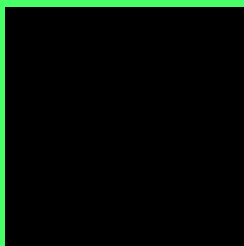
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

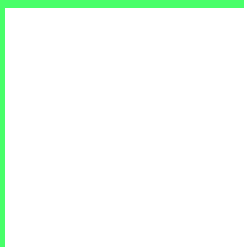
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.9823, 73.9176, 25.4721

Background



This preview shows how black text looks on a background with the XYZ color 40.9823, 73.9176, 25.4721.

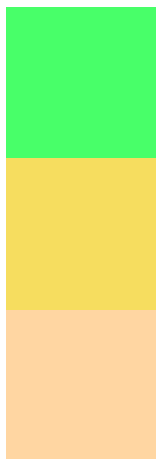


This preview shows how white text looks on a background with the XYZ color 40.9823, 73.9176,

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

40.9823, 73.9176, 25.4721

Protanopia

65.9280, 72.1320, 21.2746

Deuteranopia

71.8082, 71.9618, 44.2877



Tritanopia

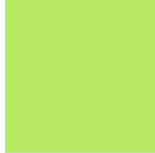
58.3259, 72.9393, 105.6123

Trichromacy



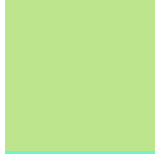
Original Color

40.9823, 73.9176, 25.4721



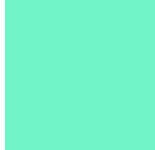
Protanomaly

50.9195, 69.2460, 22.4864



Deuteranomaly

53.5661, 68.6531, 35.6274



Tritanomaly

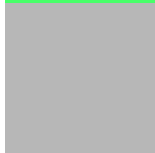
49.4581, 72.3162, 65.9953

Monochromacy



Original Color

40.9823, 73.9176, 25.4721



Achromatopsia

45.0092, 47.3531, 51.5676



Achromatomaly

40.0446, 53.8071, 39.2856

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.9823, 73.9176, 25.4721 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, 105)` looks like.

```
.text, #text, p{  
    color:rgb(72, 255, 105)  
}
```

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, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 255, 105) }
```

Border

The CSS property to change the border of an element to XYZ 40.9823, 73.9176, 25.4721 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, 105) }
```


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

```
.border{ border-color:rgb(72, 255, 105) }
```

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, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(72, 255, 105); -webkit-box-shadow:4px 4px 4px 4px rgb(72, 255, 105); box-shadow:4px 4px 4px 4px rgb(72, 255, 105) }
```

Background

The CSS property to change the background color of an element to XYZ 40.9823, 73.9176, 25.4721 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, 105) }
```

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

```
.background{ background-color: rgb(72, 255,  
105) }
```

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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