

Converting Colors

XYZ(26.4409, 39.7272, 16.9014)

Have a look what the booklet for
XYZ(26.4409, 39.7272, 16.9014)
contains.

XYZ(26.4728, 39.7935, 16.8753)	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(26.4728, 39.7935,
16.8753)**

Conversions

Conversions Part 1

Format	Color
Hex	70BB5E
RGB	112, 187, 94
RGB Percent	44%, 73%, 37%
CMY	0.5608, 0.2667, 0.6314
CMYK	0.40, 0.00, 0.50, 0.27
HSL	108°, 41%, 55%
HSV	108°, 50%, 73%
XYZ	26.4728, 39.7935, 16.8753
YIQ	153.9730, -14.8470, -44.8230

Conversions

Conversions Part 2

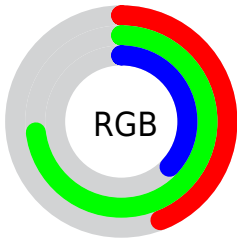
Format	Color
RYB	94, 187, 169
Decimal	7387998
CIELab	69.32, -41.24, 39.68
CIElCh	69, 57.226, 136.105
Yxy	39.7935, 0.3184, 0.4786
Android (android.graphics.Color)	4285578078 (0xFF70BB5E)
YUV	153.9730, -29.5667, -36.8103
Hunter-Lab	63.0821, -35.4850, 28.2966

Details

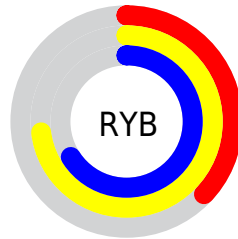
The XYZ color **26.4728, 39.7935, 16.8753** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **29.3363, 20.0295, 49.3356**, and the grayscale version is **30.8345, 32.4403, 35.3275**.

A 20% lighter version of the original color is **53.4753, 74.9922, 38.8506**, and **10.5295, 17.8268, 5.2688** is the 20% darker color. If you saturate the color by 10%, you get **23.9726, 38.5913, 12.8963**, and if you desaturate by 10%, it is **29.4997, 41.2461, 21.9417**.

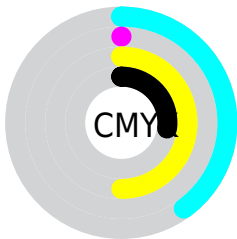
Distribution



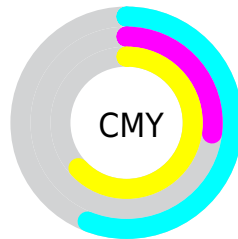
- Red (44%)
- Green (73%)
- Blue (37%)



- Red (37%)
- Yellow (73%)
- Blue (66%)



- Cyan (40%)
- Magenta (0%)
- Yellow (50%)
- Black (27%)



- Cyan (56%)
- Magenta (27%)
- Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 26.4728, 39.7935, 16.8753 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 26.4728, 39.7935, 16.8753 by changing the saturation by 10% instead.

■ 26.4728, 39.7935,
16.8753

■ 26.4728, 39.7935,
16.8753

277.3097,
345.2524, 246.4723

■ 17.3122, 27.3776,
9.9846

■ 53.4626, 74.8490,
38.8990

■ 10.5540, 17.8570,
5.2833

■ 72.0225, 98.2573,
54.8690

■ 5.8329, 10.8474,
2.3528

■ 94.4463, 126.0985,
74.7026

■ 2.7834, 5.9643,
0.7606

■ 121.0992,
158.7571, 98.8182

■ 1.0403, 2.8234,
0.0000

152.3466,
196.6174, 127.6345

■ 0.0000, 1.0402,
0.0000

188.5539,

■ 0.0000, 0.0000,

240.0638, 161.5699

0.0000

230.0865,
289.4807, 201.0430

■ 26.4728, 39.7935,
16.8753

■ 26.4728, 39.7935,
16.8753

■ 23.9726, 38.5913,
12.8963

■ 29.4997, 41.2461,
21.9417

■ 21.9653, 37.6202,
9.9227

■ 33.0786, 42.9571,
28.1644

■ 20.4175, 36.8662,
7.8652


■ 37.2369, 44.9403,
35.6097


■ 19.2899, 36.3114,
6.6173


■ 41.9991, 47.2070,
44.3380


■ 18.5223, 35.9291,
5.9732

■ 47.3882, 49.7680,
54.4058

 18.5053, 35.9207,
5.9581

 53.4262, 52.6332,
65.8663

 60.1338, 55.8125,
78.7697

 67.5309, 59.3149,
93.1638

 74.4378, 62.6698,
102.7809

Harmonies

Analogous

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



33.1332, 39.7935, 10.6423



26.4728, 39.7935, 16.8753



23.1418, 39.7935, 32.2845

Triad

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



26.4728, 39.7935, 16.8753



33.7390, 39.7935, 113.2828



57.4478, 39.7935, 30.7608

Complementary

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



26.4728, 39.7935, 16.8753



29.3363, 20.0295, 49.3356

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.



57.6810, 39.7935, 56.6409



26.4728, 39.7935, 16.8753



42.9347, 39.7935, 112.3276

Square

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



26.4728, 39.7935, 16.8753



26.8542, 39.7935, 90.9350



52.0255, 39.7935, 88.6931



51.4322, 39.7935, 16.1505

Rectangle

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



26.4728, 39.7935, 16.8753



22.8429, 39.7935, 48.9315



52.0255, 39.7935, 88.6931



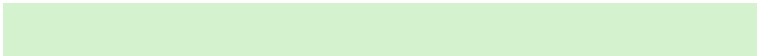
58.2346, 39.7935, 38.1701

Sweetspot

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



26.4738, 39.7952, 16.8762



70.3811, 82.2430, 70.5018



36.5921, 39.5279, 16.2913



15.1094, 17.9258, 14.8139



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



26.4738, 39.7952, 16.8762



42.4413, 68.8766, 22.3424



25.8943, 39.3248, 24.6065



9.5765, 10.7361, 10.1442



12.7969, 24.7729, 4.1072



0.5537, 0.9974, 0.1633

Inverse Universe

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



29.3363, 20.0295, 49.3356



48.0969, 29.2711, 87.3163



30.7643, 21.0779, 35.2949



9.7441, 9.6005, 12.0117



15.0077, 7.0228, 32.9574



0.6351, 0.2994, 1.2932

Previews

White Background



This preview shows how the XYZ color 26.4728, 39.7935, 16.8753 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 26.4728, 39.7935, 16.8753 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 26.4728, 39.7935, 16.8753

Background



This preview shows how black text looks on a background with the XYZ color 26.4728, 39.7935, 16.8753.



This preview shows how white text looks on a background with the XYZ color 26.4728, 39.7935,

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

26.4728, 39.7935, 16.8753

Protanopia

36.1991, 39.5196, 14.9527

Deuteranopia

39.9957, 39.2667, 17.7831



Tritanopia

33.9826, 39.4794, 55.1194

Trichromacy



Original Color

26.4728, 39.7935, 16.8753



Protanomaly

31.6689, 39.1598, 15.5623



Deuteranomaly

33.3739, 38.2892, 17.1868



Tritanomaly

30.4904, 39.2538, 37.4222

Monochromacy



Original Color

26.4728, 39.7935, 16.8753



Achromatopsia

30.7148, 32.3143, 35.1903



Achromatomaly

28.4485, 34.4273, 26.9755

CSS Examples

Text

The CSS property to change the color of the text to XYZ 26.4728, 39.7935, 16.8753 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(112, 187, 94)` looks like.

```
.text, #text, p{  
    color:rgb(112, 187, 94)  
}
```

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(112, 187, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 187, 94) }
```

Border

The CSS property to change the border of an element to XYZ 26.4728, 39.7935, 16.8753 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(112, 187, 94) }
```


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

```
.border{ border-color:rgb(112, 187, 94) }
```

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

Here you see how a box with a 4 pixel rgb(112, 187, 94) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 187, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 187, 94);  
box-shadow:4px 4px 4px 4px rgb(112, 187,  
94) }
```

Background

The CSS property to change the background color of an element to XYZ 26.4728, 39.7935, 16.8753 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 187, 94) }
```

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

```
.background{ background-color: rgb(112,  
187, 94) }
```

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