

Converting Colors

XYZ(46.7693, 25.3659, 25.2078)

Have a look what the booklet for
XYZ(46.7693, 25.3659, 25.2078)
contains.

XYZ(46.7970, 25.3769, 25.3534)	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(46.7970, 25.3769,
25.3534)**

Conversions

Conversions Part 1

Format	Color
Hex	FF3387
RGB	255, 51, 135
RGB Percent	100%, 20%, 53%
CMY	0.0000, 0.7999, 0.4706
CMYK	0.00, 0.80, 0.47, 0.00
HSL	335°, 100%, 60%
HSV	335°, 80%, 100%
XYZ	46.7970, 25.3769, 25.3534
YIQ	121.5720, 94.6200, 69.3720

Conversions

Conversions Part 2

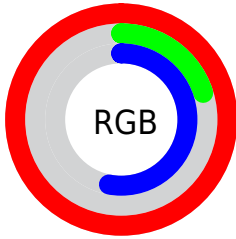
Format	Color
R_{YB}	255, 51, 135
Decimal	16724871
CIE _{Lab}	57.44, 78.26, 3.58
CIE _{LCh}	57, 78.344, 2.619
Yxy	25.3769, 0.4798, 0.2602
Android (android.graphics.Color)	4294914951 (0xFFFF3387)
YUV	121.5720, 6.6200, 117.0164
Hunter-Lab	50.3755, 77.6629, 5.4229

Details

The XYZ color **46.7970, 25.3769, 25.3534** is a dark color, and the websafe version is hex **FF3399**. The color can be described as middle washed rose. A complement of this color would be **44.4783, 75.1650, 50.7003**, and the grayscale version is **18.3194, 19.2734, 20.9888**.

A 20% lighter version of the original color is **56.7955, 37.8477, 51.8888**, and **23.4179, 11.8784, 9.8626** is the 20% darker color. If you saturate the color by 10%, you get **44.9888, 23.3336, 19.9017**, and if you desaturate by 10%, it is **49.3653, 28.7024, 31.7931**.

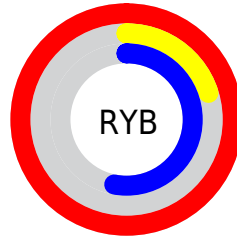
Distribution



Red (100%)

Green (20%)

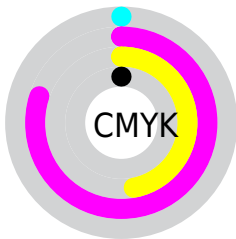
Blue (53%)



Red (100%)

Yellow (20%)

Blue (53%)

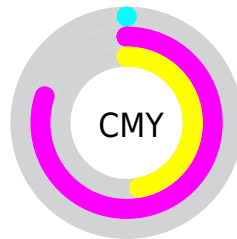


Cyan (0%)

Magenta (80%)

Yellow (47%)

Black (0%)



Cyan (0%)


Magenta (80%)


Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.7970, 25.3769, 25.3534 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 46.7970, 25.3769, 25.3534 by changing the saturation by 10% instead.

 46.7970, 25.3769,
25.3534

 46.7970, 25.3769,
25.3534


364.6661,
279.7098, 293.0972

 33.0825, 16.3581,
16.1191


 84.6311, 52.2680,
53.2012


 22.3492, 9.7779,
9.4532


 109.4814, 70.9091,
72.6518


 14.2317, 5.2519,
4.9371


 138.7744, 93.5264,
96.3449

 8.3648, 2.3958,
2.1523

 172.8753,
120.5043, 124.6990

 4.3830, 0.8237,
0.6467

 212.1496,
152.2272, 158.1328

 1.9210, 0.0000,
0.0000

256.9626,

 0.5890, 0.0000,

189.0794, 197.0647

0.0000

307.6796,
231.4455, 241.9133

■ 0.0000, 0.0000,
0.0000

■ 46.7970, 25.3769,
25.3534

■ 46.7970, 25.3769,
25.3534

■ 44.9888, 23.3336,
19.9017

■ 49.3653, 28.7024,
31.7931

■ 43.7898, 22.2802,
15.3566

■ 52.7847, 33.4827,
39.2793

■ 43.7891, 22.2796,
15.3538

■ 57.1348, 39.8680,
47.8660

■ 62.4848, 47.9883,
57.6021

■ 68.8970, 57.9602,
68.5330

■ 76.4284, 69.8903,
80.7014

■ 85.1319, 83.8767,
94.1476

95.0499, 100.0000,
108.9000

Harmonies

Analogous

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



43.7726, 25.3769, 58.5678



46.7970, 25.3769, 25.3534



42.5665, 25.3769, 8.1801

Triad

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



46.7970, 25.3769, 25.3534



15.6971, 25.3769, 3.0341



16.7857, 25.3769, 102.7767

Complementary

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



46.7970, 25.3769, 25.3534



44.4783, 75.1650, 50.7003

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.



11.9620, 25.3769, 65.5237



46.7970, 25.3769, 25.3534



11.4566, 25.3769, 10.1187

Square

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



46.7970, 25.3769, 25.3534



23.3110, 25.3769, 1.5393



10.2887, 25.3769, 30.0414



24.9475, 25.3769, 117.0570

Rectangle

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



46.7970, 25.3769, 25.3534



36.7079, 25.3769, 3.6299



10.2887, 25.3769, 30.0414



14.7994, 25.3769, 91.7058

Sweetspot

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



46.7977, 25.3784, 25.3538



73.2731, 64.8689, 75.6749



35.8136, 18.1359, 96.2205



15.1161, 12.9871, 15.2772



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.



46.7977, 25.3784, 25.3538



44.2193, 22.6289, 17.0728



43.9059, 25.6352, 5.7679



18.3194, 18.1111, 20.2994



22.9507, 11.6696, 8.3906



2.2874, 1.1573, 1.0946

Inverse Universe

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



46.7977, 25.3784, 25.3538



44.2193, 22.6289, 17.0728



49.9909, 69.0740, 105.3054



18.3194, 18.1111, 20.2994



22.9507, 11.6696, 8.3906



2.2874, 1.1573, 1.0946

Previews

White Background



This preview shows how the XYZ color 46.7970, 25.3769, 25.3534 looks on a white background.

Color Contrast Check

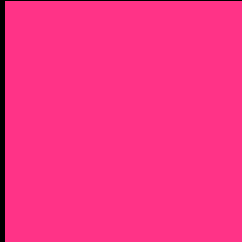
Large Text (above 18pt) WCAG AA ✓ Pass

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 46.7970, 25.3769, 25.3534 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 × Fail

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

XYZ 46.7970, 25.3769, 25.3534

Background



This preview shows how black text looks on a background with the XYZ color 46.7970, 25.3769, 25.3534.



This preview shows how white text looks on a background with the XYZ color 46.7970, 25.3769,

25.3534.

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

46.7970, 25.3769, 25.3534

Protanopia

26.0548, 25.7120, 48.9371

Deuteranopia

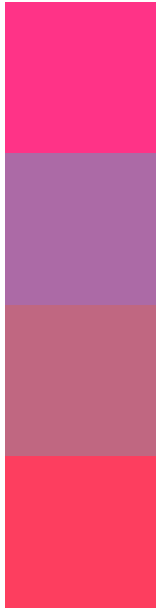
25.7995, 25.3236, 22.9302



Tritanopia

43.4427, 25.4196, 8.7477

Trichromacy



Original Color

46.7970, 25.3769, 25.3534

Protanomaly

29.0502, 21.8319, 38.7593

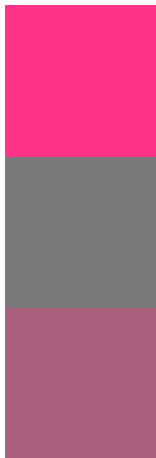
Deuteranomaly

30.5509, 22.4919, 23.5000

Tritanomaly

44.2962, 25.1541, 13.3470

Monochromacy



Original Color

46.7970, 25.3769, 25.3534

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

24.5912, 18.4441, 22.3426

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.7970, 25.3769, 25.3534 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(255, 51, 135)` looks like.

```
.text, #text, p{  
    color:rgb(255, 51, 135)  
}
```

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(255, 51, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 51, 135) }
```

Border

The CSS property to change the border of an element to XYZ 46.7970, 25.3769, 25.3534 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(255, 51, 135) }
```


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

```
.border{ border-color:rgb(255, 51, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 51, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 51, 135); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 51, 135); box-shadow:4px 4px 4px 4px rgb(255, 51, 135) }
```

Background

The CSS property to change the background color of an element to XYZ 46.7970, 25.3769, 25.3534 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 51, 135) }
```

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

```
.background{ background-color: rgb(255, 51,  
135) }
```

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