

# Converting Colors

XYZ(50.3724, 32.5283, 26.5600)

Have a look what the booklet for  
XYZ(50.3724, 32.5283, 26.5600)  
contains.

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# Color

**XYZ(50.3645, 32.5120,  
26.5426)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF6687
RGB	255, 102, 135
RGB Percent	100%, 40%, 53%
CMY	0.0000, 0.6000, 0.4706
CMYK	0.00, 0.60, 0.47, 0.00
HSL	347°, 100%, 70%
HSV	347°, 60%, 100%
XYZ	50.3645, 32.5120, 26.5426
YIQ	151.5090, 80.5950, 42.6990

# Conversions

## Conversions Part 2

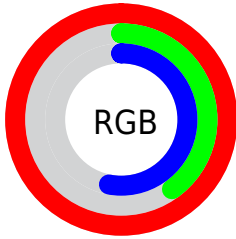
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 102, 135
Decimal	16737927
CIE Lab	63.76, 60.80, 12.59
CIE LCh	64, 62.085, 11.697
Yxy	32.5120, 0.4603, 0.2971
Android (android.graphics.Color)	4294928007 (0xFFFF6687)
YUV	151.5090, -8.1389, 90.7616
Hunter-Lab	57.0193, 57.8833, 12.3139

# Details

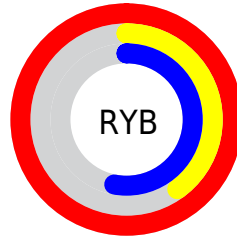
The XYZ color **50.3645, 32.5120, 26.5426** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **54.4263, 79.6194, 81.6124**, and the grayscale version is **29.6446, 31.1884, 33.9642**.

A 20% lighter version of the original color is **62.7152, 49.6871, 53.8621**, and **24.5000, 13.6653, 10.1505** is the 20% darker color. If you saturate the color by 10%, you get **46.9540, 27.7370, 19.0986**, and if you desaturate by 10%, it is **54.8117, 38.9371, 35.6378**.

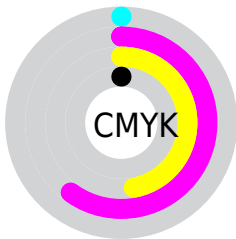
# Distribution



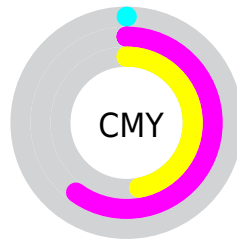
- Red (100%)
- Green (40%)
- Blue (53%)



- Red (100%)
- Yellow (40%)
- Blue (53%)



- Cyan (0%)
- Magenta (60%)
- Yellow (47%)
- Black (0%)




- Cyan (0%)
- Magenta (60%)
- Yellow (47%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 50.3645, 32.5120, 26.5426 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 50.3645, 32.5120, 26.5426 by changing the saturation by 10% instead.





 50.3645, 32.5120,  
26.5426

 50.3645, 32.5120,  
26.5426


378.5181,  
313.4450, 299.1254

 35.9221, 21.7529,  
17.0006


 89.9033, 63.6129,  
55.1438


 24.5439, 13.6754,  
10.0730


 115.7304, 84.7234,  
75.0401

 15.8645, 7.8953,  
5.3411


 146.0831,  
110.0532, 99.2249

 9.5185, 4.0280,  
2.3866

 181.3268,  
139.9867, 128.1167

 5.1407, 1.6892,  
0.7791

221.8267,  
174.9082, 162.1341

 2.3657, 0.4167,  
0.0000

267.9484,

 0.8279, 0.0000,

215.2022, 201.6957

0.0000

320.0571,  
261.2530, 247.2199

■ 0.0000, 0.0000,  
0.0000

■ 50.3645, 32.5120,  
26.5426

■ 50.3645, 32.5120,  
26.5426

■ 46.9540, 27.7370,  
19.0986

■ 54.8117, 38.9371,  
35.6378

■ 44.4896, 24.4546,  
13.2015

■ 60.3707, 47.1406,  
46.4760

■ 42.8684, 22.4851,  
8.7368

■ 67.1125, 57.2440,  
59.1440

■ 41.9294, 21.5359,  
5.5609

■ 75.1012, 69.3565,  
73.7221

■ 41.9292, 21.5356,  
5.5600

■ 84.3964, 83.5791,  
90.2859

95.0498, 99.9999,  
108.9000

# Harmonies

## Analogous

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



49.6762, 32.5120, 52.6923



50.3645, 32.5120, 26.5426



45.1628, 32.5120, 12.1265

# Triad

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



50.3645, 32.5120, 26.5426



21.0500, 32.5120, 10.3127



25.9368, 32.5120, 103.2161

# Complementary

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



50.3645, 32.5120, 26.5426



54.4263, 79.6194, 81.6124

# 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.



20.0114, 32.5120, 77.8280



50.3645, 32.5120, 26.5426



17.5770, 32.5120, 22.3772

# Square

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



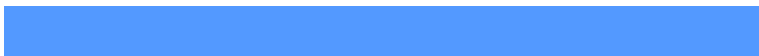
50.3645, 32.5120, 26.5426



27.6305, 32.5120, 6.1479



17.2365, 32.5120, 46.0367



34.4214, 32.5120, 106.1622



# Rectangle

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



50.3645, 32.5120, 26.5426



39.5381, 32.5120, 7.7431



17.2365, 32.5120, 46.0367



23.6245, 32.5120, 96.6145

# Sweetspot

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



50.3653, 32.5138, 26.5432



76.8509, 72.0244, 76.8681



52.8810, 32.2307, 98.0414



15.9072, 14.5899, 15.4772



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.



50.3653, 32.5138, 26.5432



46.3876, 26.9651, 17.7966



53.8185, 42.5793, 17.9549



18.1697, 18.0512, 19.5106



21.9533, 11.2706, 3.1384



2.1757, 1.1127, 0.5066



# Inverse Universe

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



50.3653, 32.5138, 26.5432



46.3876, 26.9651, 17.7966



46.9871, 56.9586, 103.1250



18.1697, 18.0512, 19.5106



21.9533, 11.2706, 3.1384



2.1757, 1.1127, 0.5066



# Previews

## White Background



This preview shows how the XYZ color 50.3645, 32.5120, 26.5426 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

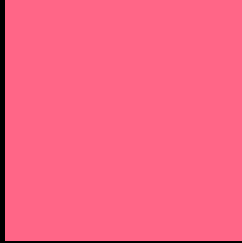
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 50.3645, 32.5120, 26.5426 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 50.3645, 32.5120, 26.5426**

## **Background**



This preview shows how black text looks on a background with the XYZ color 50.3645, 32.5120, 26.5426.



This preview shows how white text looks on a background with the XYZ color 50.3645, 32.5120,



# 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

50.3645, 32.5120, 26.5426

### Protanopia

31.6840, 32.7241, 39.2968

### Deuteranopia

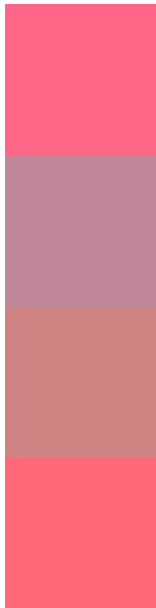
33.2341, 32.6371, 24.9700



## Tritanopia

49.0077, 32.5712, 19.3267

# Trichromacy



## Original Color

50.3645, 32.5120, 26.5426

## Protanomaly

35.8996, 30.7042, 34.1714

## Deuteranomaly

38.0801, 31.4066, 25.5278

## Tritanomaly

49.3758, 32.5545, 21.7704

# Monochromacy



## Original Color

50.3645, 32.5120, 26.5426

## Achromatopsia

29.8446, 31.3989, 34.1934

## Achromatomaly

34.6997, 29.9443, 31.1451

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 50.3645, 32.5120, 26.5426 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, 102, 135)` looks like.

```
.text, #text, p{  
    color:rgb(255, 102, 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, 102, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 102, 135) }
```

## Border

The CSS property to change the border of an element to XYZ 50.3645, 32.5120, 26.5426 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, 102, 135) }
```



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

```
.border{ border-color:rgb(255, 102, 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, 102, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 102, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 102, 135);  
box-shadow:4px 4px 4px 4px rgb(255, 102,  
135) }
```

# Background

The CSS property to change the background color of an element to XYZ 50.3645, 32.5120, 26.5426 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 102, 135) }
```

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

```
.background{ background-color: rgb(255,  
102, 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](#).

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