

# Converting Colors

XYZ(53.1516, 26.3893, 65.2120)

Have a look what the booklet for  
XYZ(53.1516, 26.3893, 65.2120)  
contains.

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# Color

**XYZ(53.1334, 26.3752,  
65.2413)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FE14D5
RGB	254, 20, 213
RGB Percent	100%, 8%, 84%
CMY	0.0039, 0.9214, 0.1647
CMYK	0.00, 0.92, 0.16, 0.00
HSL	311°, 99%, 54%
HSV	311°, 92%, 100%
XYZ	53.1334, 26.3752, 65.2413
YIQ	111.9680, 77.5110, 109.6310

# Conversions

## Conversions Part 2

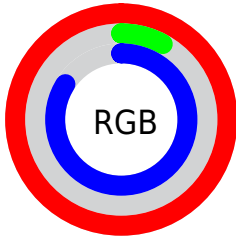
Format	Color
<a href="#">RYB</a>	<a href="#">254, 20, 213</a>
Decimal	<a href="#">16651477</a>
CIELab	<a href="#">58.39, 91.24, -40.35</a>
CIELCh	<a href="#">58, 99.760, 336.142</a>
Yxy	<a href="#">26.3752, 0.3671, 0.1822</a>
Android (android.graphics.Color)	<a href="#">4294841557 (0xFFFE14D5)</a>
YUV	<a href="#">111.9680, 49.8088, 124.5621</a>
Hunter-Lab	<a href="#">51.3568, 94.8005, -39.3695</a>

# Details

The XYZ color **53.1334, 26.3752, 65.2413** is a light color, and the websafe version is hex **FF00CC**. The color can be described as light washed magenta. A complement of this color would be **36.5744, 71.3704, 16.2678**, and the grayscale version is **15.2400, 16.0336, 17.4606**.

A 20% lighter version of the original color is **64.5477, 38.9954, 98.7326**, and **27.9098, 13.6751, 33.5163** is the 20% darker color. If you saturate the color by 10%, you get **52.4427, 25.6987, 62.8364**, and if you desaturate by 10%, it is **54.4115, 28.0142, 68.4935**.

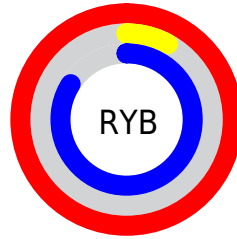
# Distribution



Red (100%)

Green (8%)

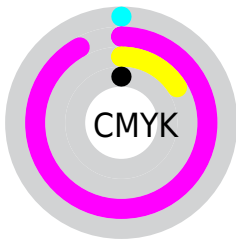
Blue (84%)



Red (100%)

Yellow (8%)

Blue (84%)

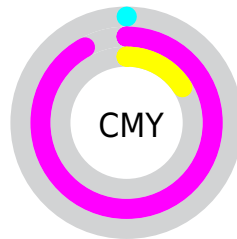


Cyan (0%)

Magenta (92%)

Yellow (16%)

Black (0%)



Cyan (0%)

Magenta (92%)


Yellow (16%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 53.1334, 26.3752, 65.2413 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 53.1334, 26.3752, 65.2413 by changing the saturation by 10% instead.




 53.1334, 26.3752,  
65.2413


 53.1334, 26.3752,  
65.2413


389.0492,  
284.6191, 461.9885


 38.1372, 17.1045,  
47.2042


 93.9650, 53.8796,  
114.0133


 26.2669, 10.3091,  
32.8416


 120.5311, 72.8822,  
145.5853


 17.1571, 5.6043,  
21.7350

 151.6845, 95.8975,  
182.5059

 10.4426, 2.6060,  
13.4659

 187.7907,  
123.3099, 225.1938

 5.7579, 0.9297,  
7.6156

 229.2148,  
155.5039, 274.0675

 2.7377, 0.0000,  
3.7658

276.3224,

 1.0166, 0.0000,

192.8638, 329.5454

1.4977

329.4788,  
235.7741, 392.0463

■ 0.0000, 0.0000,  
0.2162

■ 0.0000, 0.0000,  
0.0000

■ 53.1334, 26.3752,  
65.2413

■ 53.1334, 26.3752,  
65.2413

■ 52.4427, 25.6987,  
62.8364

■ 54.4115, 28.0142,  
68.4935

■ 56.2877, 30.8249,  
72.0219

■ 58.8535, 34.9897,  
75.8580

■ 62.1841, 40.6586,  
80.0272

66.3446, 47.9617,  
84.5520

71.3931, 57.0151,  
89.4522

77.3825, 67.9242,  
94.7460

84.3613, 80.7863,  
100.4502

92.3750, 95.6916,  
106.5804

# Harmonies

## Analogous

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



41.5558, 26.3752, 123.9370



53.1334, 26.3752, 65.2413



56.2703, 26.3752, 22.1282

# Triad

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



53.1334, 26.3752, 65.2413



22.6477, 26.3752, 0.1040



10.5235, 26.3752, 89.1424

# Complementary

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



53.1334, 26.3752, 65.2413



36.5744, 71.3704, 16.2678

# 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.



8.2594, 26.3752, 36.5015



53.1334, 26.3752, 65.2413



13.6462, 26.3752, 1.4772

# Square

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



53.1334, 26.3752, 65.2413



35.7732, 26.3752, 0.6599



9.1814, 26.3752, 9.2473



16.7462, 26.3752, 143.9311



# Rectangle

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



53.1334, 26.3752, 65.2413



52.4854, 26.3752, 8.1556



9.1814, 26.3752, 9.2473



9.3847, 26.3752, 69.5167

# Sweetspot

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



53.1343, 26.3766, 65.2418



74.3979, 61.8152, 92.3995



19.9455, 8.5879, 94.3729



15.3933, 12.2682, 19.2953



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.



53.1343, 26.3766, 65.2418



52.9120, 25.9288, 63.3941



43.3297, 22.4547, 13.6112



18.6480, 18.2425, 22.0295



27.6976, 13.5683, 33.3877



2.7311, 1.3348, 3.4313



# Inverse Universe

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



53.1343, 26.3766, 65.2418



52.9120, 25.9288, 63.3941



43.5688, 74.1682, 53.0998



18.6480, 18.2425, 22.0295



27.6976, 13.5683, 33.3877



2.7311, 1.3348, 3.4313



# Previews

## White Background



This preview shows how the XYZ color 53.1334, 26.3752, 65.2413 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

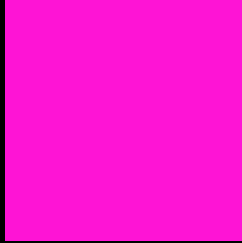
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 53.1334, 26.3752, 65.2413 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

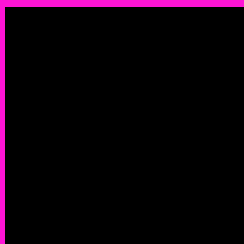
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 53.1334, 26.3752, 65.2413**

## **Background**



This preview shows how black text looks on a background with the XYZ color 53.1334, 26.3752, 65.2413.



This preview shows how white text looks on a background with the XYZ color 53.1334, 26.3752,



# 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

53.1334, 26.3752, 65.2413

### Protanopia

30.4753, 26.9052, 98.1947

### Deuteranopia

27.2657, 26.5573, 58.3326



## Tritanopia

42.0561, 26.2899, 12.5307

# Trichromacy



## Original Color

53.1334, 26.3752, 65.2413



## Protanomaly

31.4079, 20.3164, 84.7042



## Deuteranomaly

31.3508, 21.0984, 60.1776



## Tritanomaly

44.3997, 24.8609, 25.3802

# Monochromacy



## Original Color

53.1334, 26.3752, 65.2413



## Achromatopsia

15.4009, 16.2029, 17.6450



## Achromatomaly

23.5306, 15.6544, 30.2152

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 53.1334, 26.3752, 65.2413 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(254, 20, 213)` looks like.

```
.text, #text, p{  
    color:rgb(254, 20, 213)  
}
```

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(254, 20, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 20, 213) }
```

## Border

The CSS property to change the border of an element to XYZ 53.1334, 26.3752, 65.2413 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(254, 20, 213) }
```



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

```
.border{ border-color:rgb(254, 20, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 20, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 20, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 20, 213);  
box-shadow:4px 4px 4px 4px rgb(254, 20,  
213) }
```

# Background

The CSS property to change the background color of an element to XYZ 53.1334, 26.3752, 65.2413 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 20, 213) }
```

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

```
.background{ background-color: rgb(254, 20,  
213) }
```

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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