

# Converting Colors

XYZ(53.2061, 38.3256, 75.1143)

Have a look what the booklet for  
XYZ(53.2061, 38.3256, 75.1143)  
contains.

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# Color

**XYZ(53.2061, 38.3256,  
75.1143)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E285E0
RGB	226, 133, 224
RGB Percent	89%, 52%, 88%
CMY	0.1137, 0.4784, 0.1216
CMYK	0.00, 0.41, 0.01, 0.11
HSL	301°, 62%, 70%
HSV	301°, 41%, 89%
XYZ	53.2061, 38.3256, 75.1143
YIQ	171.1810, 26.2170, 48.0170

# Conversions

## Conversions Part 2

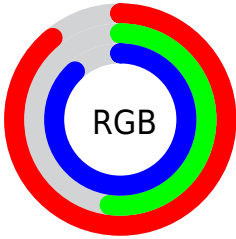
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	226, 133, 224
Decimal	14845408
CIE <sub>Lab</sub>	68.26, 48.89, -31.44
CIE <sub>LCh</sub>	68, 58.126, 327.251
Yxy	38.3256, 0.3193, 0.2300
Android (android.graphics.Color)	4293035488 (0xFFE285E0)
YUV	171.1810, 26.0398, 48.0763
Hunter-Lab	61.9077, 45.0721, -28.6028

# Details

The XYZ color **53.2061, 38.3256, 75.1143** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **41.2440, 61.1299, 32.5493**, and the grayscale version is **38.6648, 40.6784, 44.2987**.

A 20% lighter version of the original color is **77.2732, 64.4464, 102.9744**, and **26.2987, 16.9995, 38.9409** is the 20% darker color. If you saturate the color by 10%, you get **50.3730, 32.7640, 73.8454**, and if you desaturate by 10%, it is **56.7075, 45.2219, 76.6077**.

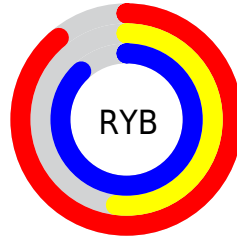
# Distribution



Red (89%)

Green (52%)

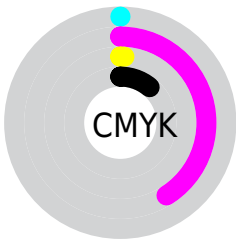
Blue (88%)



Red (89%)

Yellow (52%)

Blue (88%)

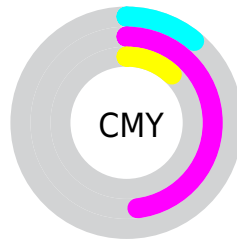


Cyan (0%)

Magenta (41%)

Yellow (1%)

Black (11%)



Cyan (11%)

Magenta (48%)


Yellow (12%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 53.2061, 38.3256, 75.1143 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 53.2061, 38.3256, 75.1143 by changing the saturation by 10% instead.





 53.2061, 38.3256,  
75.1143

 53.2061, 38.3256,  
75.1143


389.3233,  
339.0147, 497.5762


 38.1955, 26.2355,  
55.2042

 94.0713, 72.6069,  
128.2227

 26.3123, 16.9999,  
39.1656

 120.6566, 95.5669,  
162.2582

 17.1913, 10.2344,  
26.5797

 151.8308,  
122.9190, 201.8392

 10.4672, 5.5547,  
17.0282

187.9593,  
155.0476, 247.3843

 5.7744, 2.5762,  
10.0924

229.4075,  
192.3371, 299.3120

 2.7477, 0.9147,  
5.3539

276.5406,

 1.0218, 0.0000,

235.1718, 358.0408

2.3940

329.7241,  
283.9362, 423.9894

■ 0.0000, 0.0000,  
0.7832

■ 0.0000, 0.0000,  
0.0000

■ 53.2061, 38.3256,  
75.1143

■ 53.2061, 38.3256,  
75.1143

■ 50.3730, 32.7640,  
73.8454

■ 56.7075, 45.2219,  
76.6077

■ 48.1613, 28.4457,  
72.7842

■ 60.9127, 53.5264,  
78.3362

■ 46.5242, 25.2762,  
71.9155

■ 65.8592, 63.3130,  
80.3127

■ 45.4064, 23.1450,  
71.2207

■ 71.5807, 74.6494,  
82.5485

44.7419, 21.9203,  
70.6781

78.1089, 87.5988,  
85.0541

44.4342, 21.3969,  
70.2920

80.9783, 93.2305,  
86.3411

81.0455, 93.2574,  
86.6949

81.1129, 93.2844,  
87.0497

81.1805, 93.3114,  
87.4056

# Harmonies

## Analogous

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



45.0371, 38.3256, 103.9776



53.2061, 38.3256, 75.1143



56.8386, 38.3256, 44.1785

# Triad

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



53.2061, 38.3256, 75.1143



37.2725, 38.3256, 9.0295



22.9860, 38.3256, 69.1245

# Complementary

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



53.2061, 38.3256, 75.1143



41.2440, 61.1299, 32.5493

# 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.



21.6015, 38.3256, 39.3738



53.2061, 38.3256, 75.1143



28.9914, 38.3256, 11.1613

# Square

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



53.2061, 38.3256, 75.1143



46.7314, 38.3256, 12.1884



23.6086, 38.3256, 20.0754



27.7616, 38.3256, 99.6249



# Rectangle

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



53.2061, 38.3256, 75.1143



55.8135, 38.3256, 28.5682



23.6086, 38.3256, 20.0754



22.1471, 38.3256, 58.4172

# Sweetspot

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



53.2074, 38.3273, 75.1151



85.9475, 81.9642, 105.3438



32.0361, 27.3816, 75.5493



18.2036, 17.1623, 22.4715



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.



53.2074, 38.3273, 75.1151



66.8494, 44.2866, 97.3795



47.7839, 36.1579, 46.5556



14.2816, 13.9303, 17.2532



25.3554, 12.2092, 40.1329



1.7616, 0.8479, 2.8035



# Inverse Universe

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



53.2074, 38.3273, 75.1151



66.8494, 44.2866, 97.3795



45.2164, 62.7189, 53.4675



14.2816, 13.9303, 17.2532



25.3554, 12.2092, 40.1329



1.7616, 0.8479, 2.8035



# Previews

## White Background



This preview shows how the XYZ color 53.2061, 38.3256, 75.1143 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

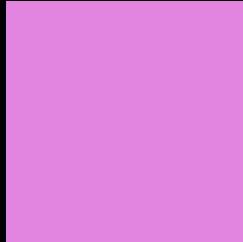
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 53.2061, 38.3256, 75.1143 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

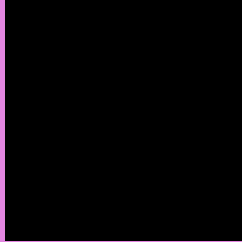
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 53.2061, 38.3256, 75.1143**

## **Background**



This preview shows how black text looks on a background with the XYZ color 53.2061, 38.3256, 75.1143.



This preview shows how white text looks on a background with the XYZ color 53.2061, 38.3256,



# 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

53.2061, 38.3256, 75.1143

### Protanopia

40.7000, 38.7315, 94.1377

### Deuteranopia

39.4479, 38.5814, 71.6975



## Tritanopia

45.5187, 38.2415, 37.3300

# Trichromacy



## Original Color

53.2061, 38.3256, 75.1143



## Protanomaly

43.5488, 37.5605, 86.6160



## Deuteranomaly

43.3656, 37.7735, 72.7156



## Tritanomaly

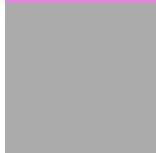
47.9353, 38.0956, 49.0827

# Monochromacy



## Original Color

53.2061, 38.3256, 75.1143



## Achromatopsia

38.7082, 40.7240, 44.3485



## Achromatomaly

42.8371, 38.9080, 53.9674

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 53.2061, 38.3256, 75.1143 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(226, 133, 224)` looks like.

```
.text, #text, p{  
    color:rgb(226, 133, 224)  
}
```

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(226, 133, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 133, 224) }
```

## Border

The CSS property to change the border of an element to XYZ 53.2061, 38.3256, 75.1143 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(226, 133, 224) }
```



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

```
.border{ border-color:rgb(226, 133, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 133, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 133, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 133, 224);  
box-shadow:4px 4px 4px 4px rgb(226, 133,  
224) }
```

# Background

The CSS property to change the background color of an element to XYZ 53.2061, 38.3256, 75.1143 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 133, 224) }
```

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

```
.background{ background-color: rgb(226,  
133, 224) }
```

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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