

# Converting Colors

XYZ(55.3361, 34.9002, 90.2061)

Have a look what the booklet for  
XYZ(55.3361, 34.9002, 90.2061)  
contains.

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# Color

**XYZ(55.3361, 34.9002,  
90.2061)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E86EF5
RGB	232, 110, 245
RGB Percent	91%, 43%, 96%
CMY	0.0902, 0.5686, 0.0392
CMYK	0.05, 0.55, 0.00, 0.04
HSL	294°, 87%, 70%
HSV	294°, 55%, 96%
XYZ	55.3361, 34.9002, 90.2061
YIQ	161.8680, 29.3770, 67.8490

# Conversions

## Conversions Part 2

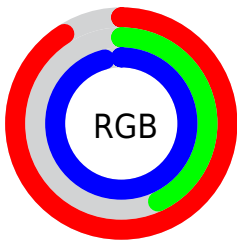
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	232, 110, 245
Decimal	15232757
CIE Lab	65.67, 65.47, -47.03
CIE LCh	66, 80.613, 324.311
Yxy	34.9002, 0.3067, 0.1934
Android (android.graphics.Color)	4293422837 (0xFFE86EF5)
YUV	161.8680, 40.9841, 61.5058
Hunter-Lab	59.0764, 63.8150, -49.1788

# Details

The XYZ color **55.3361, 34.9002, 90.2061** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **43.6363, 70.6424, 26.0888**, and the grayscale version is **34.0870, 35.8622, 39.0539**.

A 20% lighter version of the original color is **72.9262, 55.7524, 101.5254**, and **27.5387, 14.9711, 49.0152** is the 20% darker color. If you saturate the color by 10%, you get **52.2886, 29.9334, 89.4085**, and if you desaturate by 10%, it is **59.1270, 41.3364, 91.2491**.

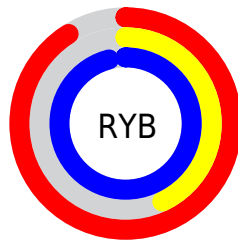
# Distribution



Red (91%)

Green (43%)

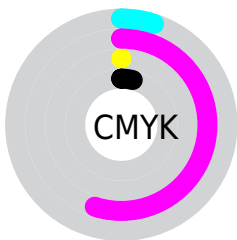
Blue (96%)



Red (91%)

Yellow (43%)

Blue (96%)

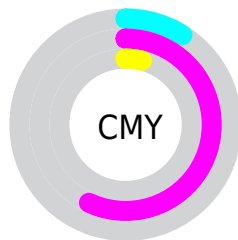


Cyan (5%)

Magenta (55%)

Yellow (0%)

Black (4%)



Cyan (9%)

Magenta (57%)


Yellow (4%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 55.3361, 34.9002, 90.2061 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 55.3361, 34.9002, 90.2061 by changing the saturation by 10% instead.





 55.3361, 34.9002,  
90.2061


 55.3361, 34.9002,  
90.2061

397.3004,  
324.1276, 549.2885

 39.9058, 23.5860,  
67.5769


 97.1787, 67.3311,  
149.5627

 27.6490, 15.0268,  
49.0891


 124.3216, 89.2167,  
187.1271

 18.2003, 8.8382,  
34.3240


 156.0995,  
115.3948, 230.5071

 11.1945, 4.6358,  
22.8633

192.8777,  
146.2498, 280.1211

 6.2660, 2.0352,  
14.2882

235.0216,  
182.1662, 336.3877

 3.0497, 0.6278,  
8.1804

282.8964,

 1.1801, 0.0000,

223.5284, 399.7254

4.1212

336.8675,  
270.7207, 470.5528

■ 0.0906, 0.0000,  
1.6920

■ 0.0000, 0.0000,  
0.3553

■ 55.3361, 34.9002,  
90.2061

■ 55.3361, 34.9002,  
90.2061

■ 52.2886, 29.9334,  
89.4085

■ 59.1270, 41.3364,  
91.2491

■ 49.9187, 26.3077,  
88.8336


■ 63.7123, 49.3471,  
92.5537

■ 48.1557, 23.8806,  
88.4581


■ 69.1428, 59.0330,  
94.1370


■ 46.9108, 22.4747,  
88.2523


■ 75.4642, 70.4850,  
96.0143


 46.4252, 22.0292,  
88.1919

 82.7186, 83.7877,  
98.1996

 90.3025, 97.7338,  
100.4918

 91.1360, 98.1635,  
100.5308

 91.9801, 98.5986,  
100.5703

 92.8348, 99.0392,  
100.6103

# Harmonies

## Analogous

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



43.4657, 34.9002, 133.9040



55.3361, 34.9002, 90.2061



61.4074, 34.9002, 44.8439

# Triad

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



55.3361, 34.9002, 90.2061



35.4822, 34.9002, 3.0283



16.4365, 34.9002, 71.6993

# Complementary

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



55.3361, 34.9002, 90.2061



43.6363, 70.6424, 26.0888

# 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.



15.2701, 34.9002, 31.8912



55.3361, 34.9002, 90.2061



24.6465, 34.9002, 4.1575

# Square

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



55.3361, 34.9002, 90.2061



48.3211, 34.9002, 5.8199



17.8919, 34.9002, 11.2266



21.5742, 34.9002, 119.4750



# Rectangle

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



55.3361, 34.9002, 90.2061



60.5148, 34.9002, 24.0431



17.8919, 34.9002, 11.2266



15.6276, 34.9002, 56.5235

# Sweetspot

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



55.3374, 34.9017, 90.2068



81.2270, 74.6091, 104.7276



30.0583, 24.1994, 89.4734



17.0788, 15.4115, 22.3245



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.



55.3374, 34.9017, 90.2068



56.9612, 32.3029, 97.8406



52.6371, 34.3273, 53.1432



17.0471, 16.6825, 20.8641



25.0754, 11.9012, 47.5136



2.2487, 1.0691, 4.1781



# Inverse Universe

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



46.8083, 31.9957, 22.4489



47.0674, 29.0053, 15.9250



45.7848, 71.3010, 46.4729



16.5639, 16.5084, 17.4503



20.3947, 10.5013, 1.5211



1.8139, 0.9315, 0.2464



# Previews

## White Background



This preview shows how the XYZ color 55.3361, 34.9002, 90.2061 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

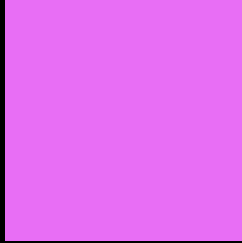
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 55.3361, 34.9002, 90.2061 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

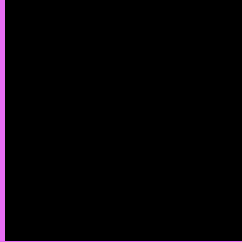
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 55.3361, 34.9002, 90.2061**

## **Background**



This preview shows how black text looks on a background with the XYZ color 55.3361, 34.9002, 90.2061.



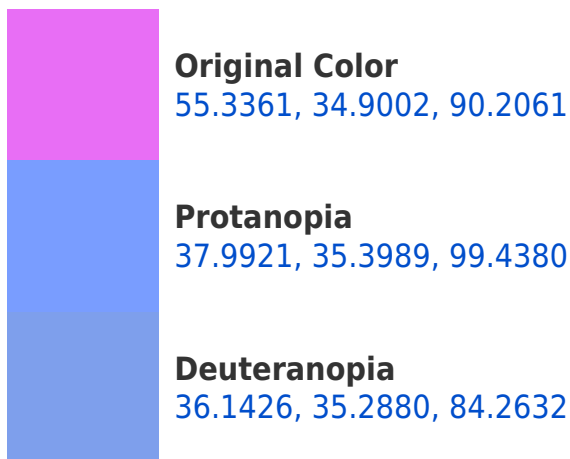
This preview shows how white text looks on a background with the XYZ color 55.3361, 34.9002,



# 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





## Tritanopia

43.2059, 34.7437, 31.6231

# Trichromacy



## Original Color

55.3361, 34.9002, 90.2061



## Protanomaly

41.4886, 33.2983, 95.5073



## Deuteranomaly

40.6219, 33.2811, 85.9442



## Tritanomaly

46.7733, 34.4034, 48.4313

# Monochromacy



## Original Color

55.3361, 34.9002, 90.2061



## Achromatopsia

34.3422, 36.1307, 39.3463



## Achromatomaly

39.8304, 34.0155, 54.3355

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 55.3361, 34.9002, 90.2061 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(232, 110, 245)` looks like.

```
.text, #text, p{  
    color:rgb(232, 110, 245)  
}
```

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(232, 110, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 110, 245) }
```

## Border

The CSS property to change the border of an element to XYZ 55.3361, 34.9002, 90.2061 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(232, 110, 245) }
```



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

```
.border{ border-color:rgb(232, 110, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 110, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 110, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 110, 245);  
box-shadow:4px 4px 4px 4px rgb(232, 110,  
245) }
```

# Background

The CSS property to change the background color of an element to XYZ 55.3361, 34.9002, 90.2061 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 110, 245) }
```

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

```
.background{ background-color: rgb(232,  
110, 245) }
```

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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