

Converting Colors

XYZ(66.3345, 42.3248, 43.1450)

Have a look what the booklet for
XYZ(66.3345, 42.3248, 43.1450)
contains.

XYZ(54.6080, 36.2349, 42.6440)	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(54.6080, 36.2349,
42.6440)**

Conversions

Conversions Part 1

Format	Color
Hex	FF72AB
RGB	255, 114, 171
RGB Percent	100%, 45%, 67%
CMY	0.0000, 0.5529, 0.3294
CMYK	0.00, 0.55, 0.33, 0.00
HSL	336°, 100%, 72%
HSV	336°, 55%, 100%
XYZ	54.6080, 36.2349, 42.6440
YIQ	162.6570, 65.7390, 47.6190

Conversions

Conversions Part 2

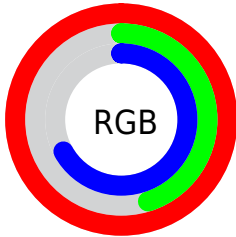
Format	Color
R_{YB}	255, 114, 171
Decimal	16741035
CIE _{Lab}	66.70, 59.20, -3.74
CIE _{LCh}	67, 59.321, 356.381
Yxy	36.2349, 0.4091, 0.2714
Android (android.graphics.Color)	4294931115 (0xFFFF72AB)
YUV	162.6570, 4.1131, 80.9848
Hunter-Lab	60.1954, 56.5894, 0.1342

Details

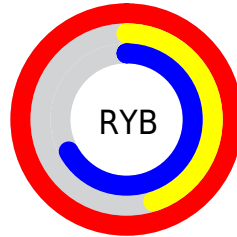
The XYZ color **54.6080, 36.2349, 42.6440** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **52.8943, 79.1755, 65.9250**, and the grayscale version is **34.6120, 36.4145, 39.6554**.

A 20% lighter version of the original color is **69.3422, 55.5004, 79.0094**, and **27.2986, 15.8603, 19.0753** is the 20% darker color. If you saturate the color by 10%, you get **50.7561, 30.7170, 34.6214**, and if you desaturate by 10%, it is **59.4298, 43.4261, 51.8118**.

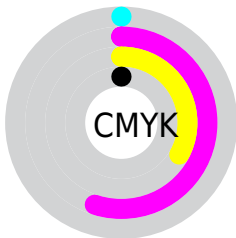
Distribution



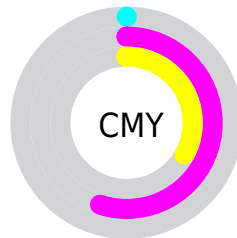
- Red (100%)
- Green (45%)
- Blue (67%)



- Red (100%)
- Yellow (45%)
- Blue (67%)



- Cyan (0%)
- Magenta (55%)
- Yellow (33%)
- Black (0%)





- Cyan (0%)
- Magenta (55%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 54.6080, 36.2349, 42.6440 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 54.6080, 36.2349, 42.6440 by changing the saturation by 10% instead.


 54.6080, 36.2349,
42.6440


 54.6080, 36.2349,
42.6440


394.5849,
329.9861, 373.0238

 39.3206, 24.6157,
29.2766

 96.1181, 69.3945,
80.4540

 27.1910, 15.7909,
19.0428


 123.0714, 91.7036,
105.7335

 17.8541, 9.3763,
11.5241


 154.6440,
118.3448, 135.8209

 10.9443, 4.9875,
6.3019

191.2014,
149.7025, 171.1347

 6.0964, 2.2399,
2.9578

233.1088,
186.1611, 212.0933

 2.9450, 0.7416,
1.0731

280.7316,

 1.1248, 0.0000,

228.1050, 259.1153

0.0000

334.4352,
275.9185, 312.6193

■ 0.0457, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 54.6080, 36.2349,
42.6440

■ 54.6080, 36.2349,
42.6440

■ 50.7561, 30.7170,
34.6214

■ 59.4298, 43.4261,
51.8118

■ 47.7972, 26.7276,
27.6897

■ 65.2846, 52.4084,
62.1712

■ 45.6463, 24.1065,
21.7916

■ 72.2332, 63.2951,
73.7679

■ 44.1987, 22.6540,
16.8613

■ 80.3307, 76.1889,
86.6445

■ 43.6921, 22.2408,
14.8426

■ 89.6285, 91.1848,
100.8413

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



50.8345, 36.2349, 73.4802



54.6080, 36.2349, 42.6440



52.2544, 36.2349, 21.3685

Triad

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



54.6080, 36.2349, 42.6440



27.3511, 36.2349, 9.7383



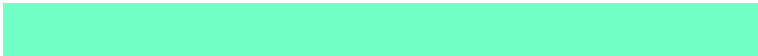
25.7705, 36.2349, 96.3082

Complementary

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



54.6080, 36.2349, 42.6440



52.8943, 79.1755, 65.9250

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.



21.2189, 36.2349, 65.6288



54.6080, 36.2349, 42.6440



22.0144, 36.2349, 17.9875

Square

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



54.6080, 36.2349, 42.6440



35.5369, 36.2349, 7.8901



19.9724, 36.2349, 36.4265



33.3663, 36.2349, 111.8285

Rectangle

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



54.6080, 36.2349, 42.6440



47.7156, 36.2349, 13.4635



19.9724, 36.2349, 36.4265



23.8882, 36.2349, 86.9184

Sweetspot

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



54.6090, 36.2367, 42.6447



78.8631, 73.8390, 84.3515



46.8991, 31.0262, 98.1245



16.5202, 15.2300, 17.4882



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.



54.6090, 36.2367, 42.6447



50.5178, 30.3855, 34.0946



51.7076, 37.3348, 20.4030



18.3137, 18.1088, 20.2688



22.8993, 11.6490, 8.1200



2.2820, 1.1552, 1.0665

Inverse Universe

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



54.6090, 36.2367, 42.6447



50.5178, 30.3855, 34.0946



57.1161, 75.0493, 106.0834



18.3137, 18.1088, 20.2688



22.8993, 11.6490, 8.1200



2.2820, 1.1552, 1.0665

Previews

White Background



This preview shows how the XYZ color 54.6080, 36.2349, 42.6440 looks on a white background.

Color Contrast Check

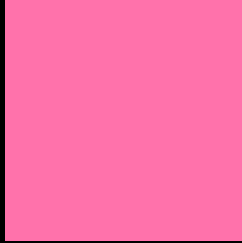
Large Text (above 18pt) WCAG AA × Fail

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 54.6080, 36.2349, 42.6440 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

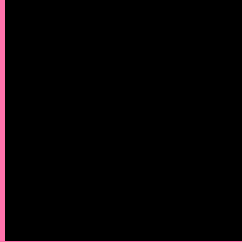
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 54.6080, 36.2349, 42.6440

Background



This preview shows how black text looks on a background with the XYZ color 54.6080, 36.2349, 42.6440.



This preview shows how white text looks on a background with the XYZ color 54.6080, 36.2349,

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

54.6080, 36.2349, 42.6440

Protanopia

36.4244, 36.4791, 60.3797

Deuteranopia

37.1179, 36.2593, 40.1644



Tritanopia

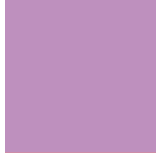
51.2012, 36.2532, 25.7717

Trichromacy



Original Color

54.6080, 36.2349, 42.6440



Protanomaly

40.5027, 34.6114, 53.2611



Deuteranomaly

41.9535, 34.9616, 41.0963



Tritanomaly

52.2931, 36.1516, 31.4159

Monochromacy



Original Color

54.6080, 36.2349, 42.6440



Achromatopsia

34.8123, 36.6253, 39.8849



Achromatomaly

39.7733, 34.7397, 40.6856

CSS Examples

Text

The CSS property to change the color of the text to XYZ 54.6080, 36.2349, 42.6440 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, 114, 171)` looks like.

```
.text, #text, p{  
    color:rgb(255, 114, 171)  
}
```

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, 114, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 114, 171) }
```

Border

The CSS property to change the border of an element to XYZ 54.6080, 36.2349, 42.6440 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, 114, 171) }
```


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

```
.border{ border-color:rgb(255, 114, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 114, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 114, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 114, 171);  
box-shadow:4px 4px 4px 4px rgb(255, 114,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 54.6080, 36.2349, 42.6440 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 114, 171) }
```

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

```
.background{ background-color: rgb(255,  
114, 171) }
```

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