

Converting Colors

XYZ(66.2315, 42.2766, 42.4950)

Have a look what the booklet for
XYZ(66.2315, 42.2766, 42.4950)
contains.

XYZ(54.5130, 36.1969, 42.1438)	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(54.5130, 36.1969,
42.1438)**

Conversions

Conversions Part 1

Format	Color
Hex	FF72AA
RGB	255, 114, 170
RGB Percent	100%, 45%, 67%
CMY	0.0000, 0.5529, 0.3333
CMYK	0.00, 0.55, 0.33, 0.00
HSL	336°, 100%, 72%
HSV	336°, 55%, 100%
XYZ	54.5130, 36.1969, 42.1438
YIQ	162.5430, 66.0600, 47.3080

Conversions

Conversions Part 2

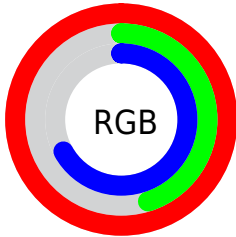
Format	Color
R _Y B	255, 114, 170
Decimal	16741034
CIE Lab	66.67, 59.09, -3.22
CIE LCh	67, 59.174, 356.881
Yxy	36.1969, 0.4103, 0.2725
Android (android.graphics.Color)	4294931114 (0xFFFF72AA)
YUV	162.5430, 3.6763, 81.0848
Hunter-Lab	60.1639, 56.4477, 0.5830

Details

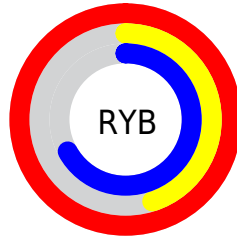
The XYZ color **54.5130, 36.1969, 42.1438** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **53.0101, 79.2218, 66.5346**, and the grayscale version is **34.5603, 36.3601, 39.5961**.

A 20% lighter version of the original color is **69.2053, 55.4457, 78.2887**, and **27.2388, 15.8364, 18.7606** is the 20% darker color. If you saturate the color by 10%, you get **50.6567, 30.6772, 34.0981**, and if you desaturate by 10%, it is **59.3428, 43.3913, 51.3538**.

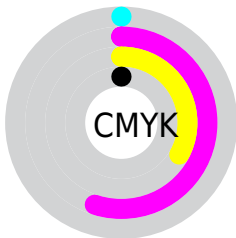
Distribution



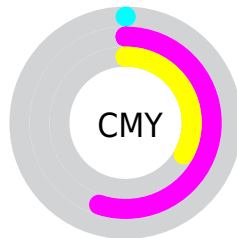
- Red (100%)
- Green (45%)
- Blue (67%)



- 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 54.5130, 36.1969, 42.1438 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 54.5130, 36.1969, 42.1438 by changing the saturation by 10% instead.


 54.5130, 36.1969,
42.1438


 54.5130, 36.1969,
42.1438

394.2297,
329.8203, 370.8959


 39.2442, 24.5863,
28.8875


 95.9795, 69.3359,
79.6897

 27.1314, 15.7691,
18.7509


 122.9081, 91.6330,
104.8163

 17.8090, 9.3609,
11.3154


 154.4539,
118.2612, 134.7368

 10.9118, 4.9773,
6.1626

190.9823,
149.6047, 169.8696

 6.0744, 2.2340,
2.8738

232.8588,
186.0480, 210.6335

 2.9315, 0.7384,
1.0306

280.4486,

 1.1176, 0.0000,

227.9754, 257.4468

0.0000

334.1171,
275.7714, 310.7281

■ 0.0398, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 54.5130, 36.1969,
42.1438

■ 54.5130, 36.1969,
42.1438

■ 50.6567, 30.6772,
34.0981

■ 59.3428, 43.3913,
51.3538

■ 47.6968, 26.6874,
27.1611

■ 65.2094, 52.3783,
61.7755

■ 45.5481, 24.0672,
21.2743

■ 72.1739, 63.2714,
73.4558

■ 44.1055, 22.6167,
16.3705

■ 80.2915, 76.1733,
86.4380

■ 43.6022, 22.2049,
14.3691

■ 89.6137, 91.1789,
100.7636

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.



50.8483, 36.1969, 72.7758



54.5130, 36.1969, 42.1438



52.0679, 36.1969, 21.1236

Triad

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



54.5130, 36.1969, 42.1438



27.2218, 36.1969, 9.8410



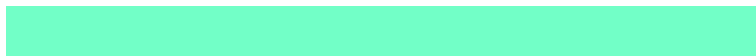
25.8633, 36.1969, 96.4760

Complementary

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



54.5130, 36.1969, 42.1438



53.0101, 79.2218, 66.5346

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.



21.2690, 36.1969, 66.0330



54.5130, 36.1969, 42.1438



21.9530, 36.1969, 18.2160

Square

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



54.5130, 36.1969, 42.1438



35.3451, 36.1969, 7.9090



19.9708, 36.1969, 36.8014



33.4799, 36.1969, 111.5521

Rectangle

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



54.5130, 36.1969, 42.1438



47.4993, 36.1969, 13.3432



19.9708, 36.1969, 36.8014



23.9683, 36.1969, 87.1971

Sweetspot

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



54.5140, 36.1987, 42.1445



78.8202, 73.8218, 84.1253



47.5163, 31.3443, 98.1534



16.5101, 15.2259, 17.4350



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.



54.5140, 36.1987, 42.1445



50.4183, 30.3456, 33.5703



52.0109, 37.9414, 20.5041



18.3082, 18.1066, 20.2400



22.8516, 11.6299, 7.8691



2.2770, 1.1532, 1.0403

Inverse Universe

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



54.5140, 36.1987, 42.1445



50.4183, 30.3456, 33.5703



56.4164, 73.6498, 105.8501



18.3082, 18.1066, 20.2400



22.8516, 11.6299, 7.8691



2.2770, 1.1532, 1.0403

Previews

White Background



This preview shows how the XYZ color 54.5130, 36.1969, 42.1438 looks on a white background.

Color Contrast Check

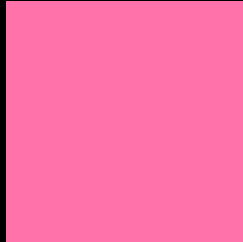
Large Text (above 18pt) WCAG AA × Fail

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 54.5130, 36.1969, 42.1438 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

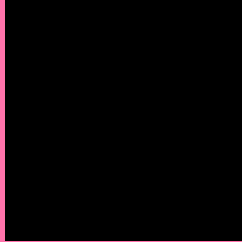
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 54.5130, 36.1969, 42.1438

Background



This preview shows how black text looks on a background with the XYZ color 54.5130, 36.1969, 42.1438.



This preview shows how white text looks on a background with the XYZ color 54.5130, 36.1969,

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

54.5130, 36.1969, 42.1438

Protanopia

36.4966, 36.5299, 59.7710

Deuteranopia

37.0279, 36.2233, 39.6905



Tritanopia

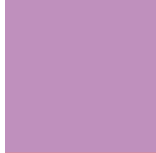
51.1337, 36.2262, 25.4164

Trichromacy



Original Color

54.5130, 36.1969, 42.1438



Protanomaly

40.6444, 34.6970, 52.6991



Deuteranomaly

41.8614, 34.9247, 40.6112



Tritanomaly

52.2157, 36.1206, 31.0080

Monochromacy



Original Color

54.5130, 36.1969, 42.1438



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 54.5130, 36.1969, 42.1438 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, 170)` looks like.

```
.text, #text, p{  
    color:rgb(255, 114, 170)  
}
```

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, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 114, 170) }
```

Border

The CSS property to change the border of an element to XYZ 54.5130, 36.1969, 42.1438 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, 170) }
```


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

```
.border{ border-color:rgb(255, 114, 170) }
```

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, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 114, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 114, 170);  
box-shadow:4px 4px 4px 4px rgb(255, 114,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 54.5130, 36.1969, 42.1438 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, 170) }
```

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

```
.background{ background-color: rgb(255,  
114, 170) }
```

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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