

# Converting Colors

XYZ(74.0098, 43.9125, 53.0532)

Have a look what the booklet for  
XYZ(74.0098, 43.9125, 53.0532)  
contains.

<b>XYZ(55.0914, 34.0920, 52.3920)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(55.0914, 34.0920,  
52.3920)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF64BE
RGB	255, 100, 190
RGB Percent	100%, 39%, 75%
CMY	0.0000, 0.6078, 0.2549
CMYK	0.00, 0.61, 0.25, 0.00
HSL	325°, 100%, 70%
HSV	325°, 61%, 100%
XYZ	55.0914, 34.0920, 52.3920
YIQ	156.6050, 63.4900, 60.8500

# Conversions

## Conversions Part 2

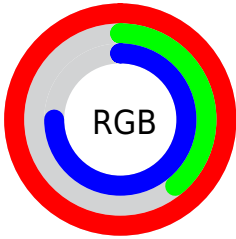
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 100, 190
Decimal	16737470
CIE <sub>Lab</sub>	65.04, 67.60, -17.01
CIE <sub>LCh</sub>	65, 69.702, 345.878
Yxy	34.0920, 0.3891, 0.2408
Android (android.graphics.Color)	4294927550 (0xFFFF64BE)
YUV	156.6050, 16.4637, 86.2924
Hunter-Lab	58.3884, 66.2412, -12.3292

# Details

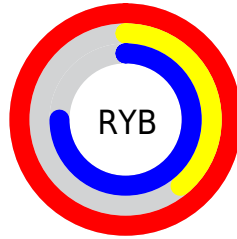
The XYZ color **55.0914, 34.0920, 52.3920** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **47.8087, 76.9467, 47.9334**, and the grayscale version is **31.7804, 33.4355, 36.4113**.

A 20% lighter version of the original color is **70.1014, 52.3675, 93.6020**, and **27.6221, 14.6103, 25.0311** is the 20% darker color. If you saturate the color by 10%, you get **51.8906, 29.4928, 45.7684**, and if you desaturate by 10%, it is **59.1448, 40.2589, 59.7237**.

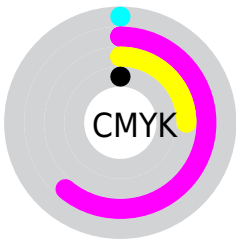
# Distribution



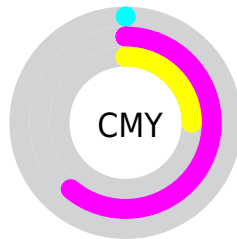
- Red (100%)
- Green (39%)
- Blue (75%)



- Red (100%)
- Yellow (39%)
- Blue (75%)



- Cyan (0%)
- Magenta (61%)
- Yellow (25%)
- Black (0%)




- Cyan (0%)
- Magenta (61%)
- Yellow (25%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 55.0914, 34.0920, 52.3920 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 55.0914, 34.0920, 52.3920 by changing the saturation by 10% instead.





 55.0914, 34.0920,  
52.3920


 55.0914, 34.0920,  
52.3920


396.3891,  
320.5421, 412.9480


 39.7090, 22.9643,  
36.9332


 96.8224, 66.0767,  
95.1416


 27.4950, 14.5671,  
24.8604


 123.9017, 87.7025,  
123.2694

 18.0838, 8.5162,  
15.7550


 155.6108,  
113.5964, 156.4574

 11.1102, 4.4270,  
9.1985

 192.3149,  
144.1429, 195.1241

 6.2089, 1.9152,  
4.7723

234.3794,  
179.7263, 239.6879

 3.0144, 0.5575,  
2.0579

282.1697,

 1.1614, 0.0000,

220.7310, 290.5675

0.5905

336.0512,  
267.5415, 348.1813

■ 0.0755, 0.0000,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 55.0914, 34.0920,  
52.3920

■ 55.0914, 34.0920,  
52.3920

■ 51.8906, 29.4928,  
45.7684

■ 59.1448, 40.2589,  
59.7237

■ 49.4638, 26.3074,  
39.8165

■ 64.1146, 48.1185,  
67.7924

■ 47.7211, 24.3590,  
34.4976

■ 70.0611, 57.7887,  
76.6271

■ 46.5900, 23.4000,  
30.1029

■ 77.0386, 69.3754,  
86.2541

85.0972, 82.9762,  
96.6981

94.2837, 98.6821,  
107.9826

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.



48.4192, 34.0920, 90.7865



55.0914, 34.0920, 52.3920



54.8724, 34.0920, 23.9007

# Triad

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



55.0914, 34.0920, 52.3920



27.3805, 34.0920, 5.2239



20.6877, 34.0920, 92.9903

# Complementary

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



55.0914, 34.0920, 52.3920



47.8087, 76.9467, 47.9334

# 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.



17.0971, 34.0920, 54.4894



55.0914, 34.0920, 52.3920



20.3774, 34.0920, 10.3210

# Square

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



55.0914, 34.0920, 52.3920



37.3705, 34.0920, 5.1056



16.9968, 34.0920, 25.1485



27.8972, 34.0920, 121.2680



# Rectangle

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



55.0914, 34.0920, 52.3920



50.7999, 34.0920, 13.1527



16.9968, 34.0920, 25.1485



19.0899, 34.0920, 80.1277

# Sweetspot

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



55.0923, 34.0937, 52.3926



79.1691, 72.9517, 89.0756



38.0395, 24.2912, 97.2915



16.4687, 14.8145, 18.4343



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.



55.0923, 34.0937, 52.3926



51.2881, 28.6695, 44.3909



48.7743, 31.5665, 19.1227



18.4517, 18.1640, 20.9956



24.4205, 12.2575, 16.1307



2.4323, 1.2153, 1.8579



# Inverse Universe

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



55.0923, 34.0937, 52.3926



51.2881, 28.6695, 44.3909



57.0561, 80.6457, 96.6296



18.4517, 18.1640, 20.9956



24.4205, 12.2575, 16.1307



2.4323, 1.2153, 1.8579



# Previews

## White Background



This preview shows how the XYZ color 55.0914, 34.0920, 52.3920 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 55.0914, 34.0920, 52.3920 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 55.0914, 34.0920, 52.3920**

## **Background**



This preview shows how black text looks on a background with the XYZ color 55.0914, 34.0920, 52.3920.



This preview shows how white text looks on a background with the XYZ color 55.0914, 34.0920,



# 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

55.0914, 34.0920, 52.3920

### Protanopia

36.0029, 34.5584, 79.6358

### Deuteranopia

34.8994, 34.1700, 49.0120



## Tritanopia

48.9504, 34.0858, 23.0680

# Trichromacy



## Original Color

55.0914, 34.0920, 52.3920



## Protanomaly

39.4300, 31.9796, 68.3845



## Deuteranomaly

40.0470, 32.2887, 50.0206



## Tritanomaly

50.7049, 33.7992, 31.8684

# Monochromacy



## Original Color

55.0914, 34.0920, 52.3920



## Achromatopsia

32.0474, 33.7164, 36.7171



## Achromatomaly

37.9579, 31.8103, 41.6755

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 55.0914, 34.0920, 52.3920 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, 100, 190)` looks like.

```
.text, #text, p{  
    color:rgb(255, 100, 190)  
}
```

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, 100, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 100, 190) }
```

## Border

The CSS property to change the border of an element to XYZ 55.0914, 34.0920, 52.3920 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, 100, 190) }
```



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

```
.border{ border-color:rgb(255, 100, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 100, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 100, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 100, 190);  
box-shadow:4px 4px 4px 4px rgb(255, 100,  
190) }
```

# Background

The CSS property to change the background color of an element to XYZ 55.0914, 34.0920, 52.3920 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 100, 190) }
```

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

```
.background{ background-color: rgb(255,  
100, 190) }
```

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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