

Converting Colors

XYZ(53.3359, 32.9231, 44.5865)

Have a look what the booklet for
XYZ(53.3359, 32.9231, 44.5865)
contains.

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Color

**XYZ(53.3512, 32.9440,
44.6212)**

Conversions

Conversions Part 1

Format	Color
Hex	FF61B0
RGB	255, 97, 176
RGB Percent	100%, 38%, 69%
CMY	0.0000, 0.6196, 0.3098
CMYK	0.00, 0.62, 0.31, 0.00
HSL	330°, 100%, 69%
HSV	330°, 62%, 100%
XYZ	53.3512, 32.9440, 44.6212
YIQ	153.2480, 68.8090, 58.0650

Conversions

Conversions Part 2

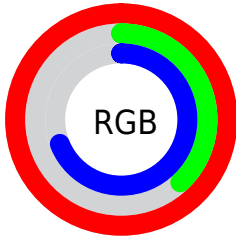
Format	Color
R_{YB}	255, 97, 176
Decimal	16736688
CIE _{Lab}	64.12, 67.12, -10.43
CIE _{LCh}	64, 67.930, 351.171
Yxy	32.9440, 0.4075, 0.2516
Android (android.graphics.Color)	4294926768 (0xFFFF61B0)
YUV	153.2480, 11.2167, 89.2365
Hunter-Lab	57.3969, 65.4738, -5.9151

Details

The XYZ color **53.3512, 32.9440, 44.6212** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **48.5280, 77.1968, 53.4214**, and the grayscale version is **30.3194, 31.8983, 34.7373**.

A 20% lighter version of the original color is **67.5268, 50.5289, 82.5379**, and **26.3762, 13.9045, 20.3624** is the 20% darker color. If you saturate the color by 10%, you get **50.1590, 28.4848, 37.6223**, and if you desaturate by 10%, it is **57.4205, 38.9677, 52.4978**.

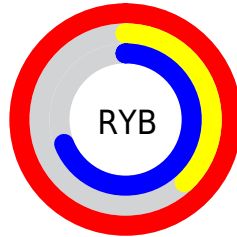
Distribution



Red (100%)

Green (38%)

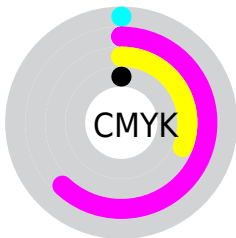
Blue (69%)



Red (100%)

Yellow (38%)

Blue (69%)

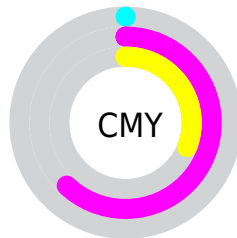


Cyan (0%)

Magenta (62%)

Yellow (31%)

Black (0%)



Cyan (0%)


Magenta (62%)


Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 53.3512, 32.9440, 44.6212 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 53.3512, 32.9440, 44.6212 by changing the saturation by 10% instead.


 53.3512, 32.9440,
44.6212


 53.3512, 32.9440,
44.6212

389.8699,
315.3973, 381.3525


 38.3118, 22.0835,
30.8184


 94.2834, 64.2881,
83.4641


 26.4031, 13.9183,
20.2033


 120.9070, 85.5405,
109.3413

 17.2597, 8.0639,
12.3574


 152.1227,
111.0257, 140.0803

 10.5163, 4.1358,
6.8621

 188.2958,
141.1281, 176.0998

 5.8075, 1.7498,
3.2988

229.7917,
176.2321, 217.8182

 2.7679, 0.4556,
1.2492

276.9758,

 1.0322, 0.0000,

216.7220, 265.6541

0.0196

330.2134,
262.9823, 320.0260

■ 0.0000, 0.0000,
0.0000

■ 53.3512, 32.9440,
44.6212

■ 53.3512, 32.9440,
44.6212

■ 50.1590, 28.4848,
37.6223

■ 57.4205, 38.9677,
52.4978

■ 47.7627, 25.4328,
31.4571

■ 62.4331, 46.6833,
61.2886

■ 46.0685, 23.6062,
26.0779

■ 68.4512, 56.2107,
71.0295

■ 45.1030, 22.8052,
22.2725

■ 75.5310, 67.6572,
81.7535

■ 83.7243, 81.1219,
93.4918

93.0791, 96.6971,
106.2737

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.



48.0262, 32.9440, 80.3344



53.3512, 32.9440, 44.6212



51.8977, 32.9440, 19.9512

Triad

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



53.3512, 32.9440, 44.6212



25.1015, 32.9440, 5.6927



21.0966, 32.9440, 94.9088

Complementary

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



53.3512, 32.9440, 44.6212



48.5280, 77.1968, 53.4214

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.



17.0485, 32.9440, 58.5790



53.3512, 32.9440, 44.6212



19.0103, 32.9440, 11.8688

Square

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



53.3512, 32.9440, 44.6212



34.2348, 32.9440, 4.8724



16.3720, 32.9440, 28.3457



28.5610, 32.9440, 117.6936

Rectangle

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



53.3512, 32.9440, 44.6212



47.3832, 32.9440, 11.0934



16.3720, 32.9440, 28.3457



19.3607, 32.9440, 83.2052

Sweetspot

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



53.3521, 32.9457, 44.6218



77.8358, 71.4247, 85.1179



40.2310, 25.0017, 97.3131



16.1826, 14.5072, 17.5219



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.



53.3521, 32.9457, 44.6218



49.6076, 27.7523, 36.2966



47.6736, 30.6743, 14.7195



18.3882, 18.1386, 20.6612



23.6427, 11.9464, 12.0347



2.3571, 1.1852, 1.4620

Inverse Universe

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



53.3521, 32.9457, 44.6218



49.6076, 27.7523, 36.2966



58.7407, 81.2819, 107.2008



18.3882, 18.1386, 20.6612



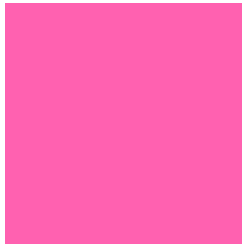
23.6427, 11.9464, 12.0347



2.3571, 1.1852, 1.4620

Previews

White Background



This preview shows how the XYZ color 53.3512, 32.9440, 44.6212 looks on a white background.

Color Contrast Check

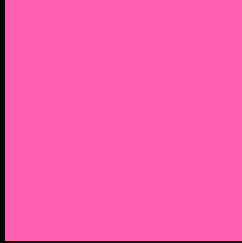
Large Text (above 18pt) WCAG AA × Fail

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 53.3512, 32.9440, 44.6212 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 53.3512, 32.9440, 44.6212

Background



This preview shows how black text looks on a background with the XYZ color 53.3512, 32.9440, 44.6212.



This preview shows how white text looks on a background with the XYZ color 53.3512, 32.9440,

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

53.3512, 32.9440, 44.6212

Protanopia

34.3026, 33.4208, 68.9329

Deuteranopia

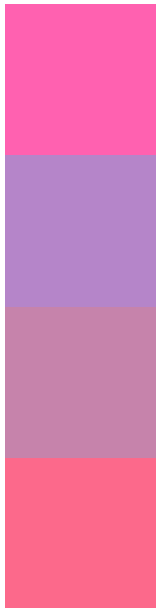
33.6515, 32.9597, 41.6340



Tritanopia

48.2703, 32.7839, 20.9233

Trichromacy



Original Color

53.3512, 32.9440, 44.6212

Protanomaly

37.9862, 30.8159, 59.2043

Deuteranomaly

38.7557, 31.1786, 42.5035

Tritanomaly

49.8567, 32.6627, 28.1029

Monochromacy



Original Color

53.3512, 32.9440, 44.6212

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

36.0558, 30.2954, 37.6655

CSS Examples

Text

The CSS property to change the color of the text to XYZ 53.3512, 32.9440, 44.6212 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, 97, 176)` looks like.

```
.text, #text, p{  
    color:rgb(255, 97, 176)  
}
```

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, 97, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 97, 176) }
```

Border

The CSS property to change the border of an element to XYZ 53.3512, 32.9440, 44.6212 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, 97, 176) }
```


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

```
.border{ border-color:rgb(255, 97, 176) }
```

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

Here you see how a box with a 4 pixel rgb(255, 97, 176) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 97, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 97, 176);  
box-shadow:4px 4px 4px 4px rgb(255, 97,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 53.3512, 32.9440, 44.6212 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 97, 176) }
```

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

```
.background{ background-color: rgb(255, 97,  
176) }
```

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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