

Converting Colors

XYZ(53.5294, 38.5190, 76.8901)

Have a look what the booklet for
XYZ(53.5294, 38.5190, 76.8901)
contains.

XYZ(53.4790, 38.4348, 76.5515)	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(53.4790, 38.4348,
76.5515)**

Conversions

Conversions Part 1

Format	Color
Hex	E285E2
RGB	226, 133, 226
RGB Percent	89%, 52%, 89%
CMY	0.1137, 0.4784, 0.1137
CMYK	0.00, 0.41, 0.00, 0.11
HSL	300°, 62%, 70%
HSV	300°, 41%, 89%
XYZ	53.4790, 38.4348, 76.5515
YIQ	171.4090, 25.5750, 48.6390

Conversions

Conversions Part 2

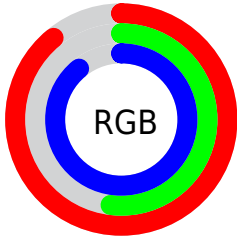
Format	Color
R _Y B	226, 133, 226
Decimal	14845410
CIE Lab	68.34, 49.25, -32.43
CIE LCh	68, 58.963, 326.637
Yxy	38.4348, 0.3174, 0.2281
Android (android.graphics.Color)	4293035490 (0xFFE285E2)
YUV	171.4090, 26.9134, 47.8763
Hunter-Lab	61.9958, 45.4855, -29.8133

Details

The XYZ color **53.4790, 38.4348, 76.5515** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **41.1045, 61.0741, 31.8145**, and the grayscale version is **38.7753, 40.7946, 44.4254**.

A 20% lighter version of the original color is **77.2732, 64.4464, 102.9744**, and **26.4865, 17.0746, 39.9299** is the 20% darker color. If you saturate the color by 10%, you get **50.7118, 32.8995, 75.6294**, and if you desaturate by 10%, it is **56.9144, 45.3047, 77.6971**.

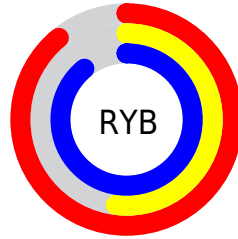
Distribution



Red (89%)

Green (52%)

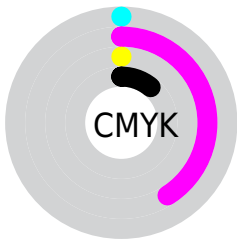
Blue (89%)



Red (89%)

Yellow (52%)

Blue (89%)

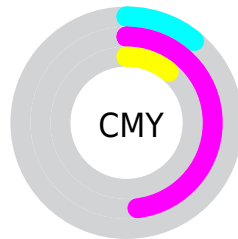


Cyan (0%)

Magenta (41%)

Yellow (0%)

Black (11%)



Cyan (11%)


Magenta (48%)


Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 53.4790, 38.4348, 76.5515 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 53.4790, 38.4348, 76.5515 by changing the saturation by 10% instead.


 53.4790, 38.4348,
76.5515


 53.4790, 38.4348,
76.5515


390.3510,
339.4815, 502.6305


 38.4143, 26.3203,
56.3755

 94.4702, 72.7741,
130.2734

 26.4831, 17.0634,
40.0980


 121.1275, 95.7677,
164.6564

 17.3199, 10.2797,
27.3006


 152.3796,
123.1564, 204.6121

 10.5596, 5.5848,
17.5647

188.5920,
155.3248, 250.5591

 5.8366, 2.5943,
10.4717

230.1299,
192.6570, 302.9158

 2.7857, 0.9238,
5.6032

277.3589,

 1.0415, 0.0000,

235.5376, 362.1010

2.5405

330.6441,
284.3510, 428.5330

■ 0.0000, 0.0000,
0.8615

■ 0.0000, 0.0000,
0.0000

■ 53.4790, 38.4348,
76.5515

■ 53.4790, 38.4348,
76.5515

■ 50.7118, 32.8995,
75.6294

■ 56.9144, 45.3047,
77.6971

■ 48.5657, 28.6075,
74.9139


■ 61.0534, 53.5827,
79.0769


■ 46.9940, 25.4641,
74.3899


■ 65.9335, 63.3428,
80.7037


■ 45.9415, 23.3591,
74.0390


■ 71.5884, 74.6525,
82.5887


 45.3422, 22.1604,
73.8391


 78.0497, 87.5752,
84.7426

 45.0919, 21.6600,
73.7556

 80.8522, 93.1801,
85.6769

 80.8522, 93.1801,
85.6770

 80.8522, 93.1801,
85.6771

 80.8522, 93.1801,
85.6772

Harmonies

Analogous

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



45.0940, 38.4348, 105.8381



53.4790, 38.4348, 76.5515



57.3039, 38.4348, 44.9067

Triad

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



53.4790, 38.4348, 76.5515



37.5838, 38.4348, 8.8249



22.8347, 38.4348, 69.0731

Complementary

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



53.4790, 38.4348, 76.5515



41.1045, 61.0741, 31.8145

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.



21.5045, 38.4348, 38.9333



53.4790, 38.4348, 76.5515



29.1273, 38.4348, 10.8452

Square

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



53.4790, 38.4348, 76.5515



47.2043, 38.4348, 12.1048



23.6054, 38.4348, 19.6320



27.6018, 38.4348, 100.3912

Rectangle

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



53.4790, 38.4348, 76.5515



56.3460, 38.4348, 28.9004



23.6054, 38.4348, 19.6320



22.0096, 38.4348, 58.1817

Sweetspot

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



53.4803, 38.4365, 76.5523



86.0533, 82.0066, 105.9009



31.7896, 27.2545, 75.5377



18.2287, 17.1724, 22.6037



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.



53.4803, 38.4365, 76.5523



67.2791, 44.4585, 99.6424



47.9404, 36.2206, 47.3797



14.2951, 13.9357, 17.3241



25.7246, 12.3568, 42.0770



1.7831, 0.8565, 2.9166

Inverse Universe

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



53.4803, 38.4365, 76.5523



67.2791, 44.4585, 99.6424



45.0581, 62.6555, 52.6341



14.2951, 13.9357, 17.3241



25.7246, 12.3568, 42.0770



1.7831, 0.8565, 2.9166

Previews

White Background



This preview shows how the XYZ color 53.4790, 38.4348, 76.5515 looks on a white background.

Color Contrast Check

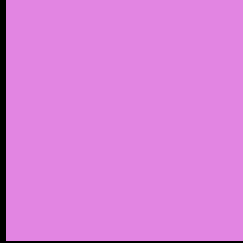
Large Text (above 18pt) WCAG AA × Fail

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 53.4790, 38.4348, 76.5515 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

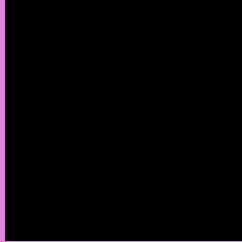
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 53.4790, 38.4348, 76.5515

Background



This preview shows how black text looks on a background with the XYZ color 53.4790, 38.4348, 76.5515.



This preview shows how white text looks on a background with the XYZ color 53.4790, 38.4348,

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

53.4790, 38.4348, 76.5515

Protanopia

41.0046, 38.8343, 96.6014

Deuteranopia

39.5202, 38.5883, 73.0755



Tritanopia

45.4632, 38.4347, 37.8234

Trichromacy



Original Color

53.4790, 38.4348, 76.5515



Protanomaly

43.7804, 37.6283, 88.9599



Deuteranomaly

43.3984, 37.7597, 74.1082



Tritanomaly

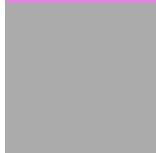
47.8849, 38.2795, 49.6646

Monochromacy



Original Color

53.4790, 38.4348, 76.5515



Achromatopsia

38.7082, 40.7240, 44.3485



Achromatomaly

42.9468, 38.9519, 54.5451

CSS Examples

Text

The CSS property to change the color of the text to XYZ 53.4790, 38.4348, 76.5515 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(226, 133, 226)` looks like.

```
.text, #text, p{  
    color:rgb(226, 133, 226)  
}
```

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(226, 133, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 133, 226) }
```

Border

The CSS property to change the border of an element to XYZ 53.4790, 38.4348, 76.5515 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(226, 133, 226) }
```


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

```
.border{ border-color:rgb(226, 133, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 133, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 133, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 133, 226);  
box-shadow:4px 4px 4px 4px rgb(226, 133,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 53.4790, 38.4348, 76.5515 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 133, 226) }
```

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

```
.background{ background-color: rgb(226,  
133, 226) }
```

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