

Converting Colors

XYZ(50.3054, 85.6397, 55.7220)

Have a look what the booklet for
XYZ(50.3054, 85.6397, 55.7220)
contains.

XYZ(45.1640, 75.4512, 53.7781)	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(45.1640, 75.4512,
53.7781)**

Conversions

Conversions Part 1

Format	Color
Hex	35FFB1
RGB	53, 255, 177
RGB Percent	21%, 100%, 69%
CMY	0.7921, 0.0000, 0.3059
CMYK	0.79, 0.00, 0.31, 0.00
HSL	157°, 100%, 60%
HSV	157°, 79%, 100%
XYZ	45.1640, 75.4512, 53.7781
YIQ	185.7100, -95.3540, -67.0820

Conversions

Conversions Part 2

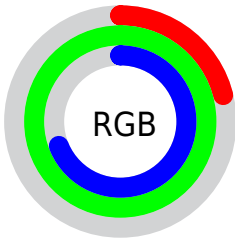
Format	Color
RYB	53, 178, 255
Decimal	3538865
CIELab	89.60, -65.02, 23.98
CIELCh	90, 69.301, 159.753
Yxy	75.4512, 0.2590, 0.4326
Android (android.graphics.Color)	4281728945 (0xFF35FFB1)
YUV	185.7100, -4.2940, -116.3867
Hunter-Lab	86.8627, -59.1990, 24.0964

Details

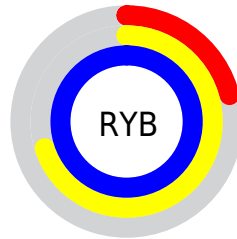
The XYZ color **45.1640, 75.4512, 53.7781** is a light color, and the websafe version is hex **33FF99**. The color can be described as light washed spring green. A complement of this color would be **46.6105, 25.4457, 23.9295**, and the grayscale version is **46.5722, 48.9976, 53.3584**.

A 20% lighter version of the original color is **59.8281, 82.2285, 89.8092**, and **23.6043, 41.3877, 25.8133** is the 20% darker color. If you saturate the color by 10%, you get **43.2150, 74.5558, 48.7478**, and if you desaturate by 10%, it is **47.8971, 76.7426, 59.2174**.

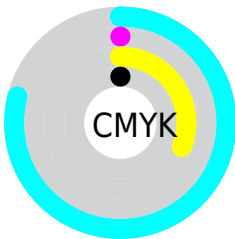
Distribution



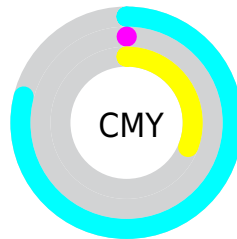
- Red (21%)
- Green (100%)
- Blue (69%)



- Red (21%)
- Yellow (70%)
- Blue (100%)



- Cyan (79%)
- Magenta (0%)
- Yellow (31%)
- Black (0%)





- Cyan (79%)
- Magenta (0%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.1640, 75.4512, 53.7781 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 45.1640, 75.4512, 53.7781 by changing the saturation by 10% instead.

 45.1640, 75.4512,
53.7781


 45.1640, 75.4512,
53.7781

358.2099,
479.4670, 418.4139


 31.7885, 55.9826,
38.0323


 82.2020, 126.9509,
97.2015


 21.3547, 40.1890,
25.7057


 106.5952,
159.7507, 125.7161

 13.4975, 27.6859,
16.3798


 135.3916,
197.7631, 159.3242

 7.8513, 18.0890,
9.6361

 168.9566,
241.3724, 198.4441

 4.0510, 11.0139,
5.0559

207.6556,
290.9631, 243.4946

 1.7310, 6.0762,
2.2208

251.8539,

 0.4756, 2.8915,

346.9195, 294.8940

0.6863

301.9169,
409.6260, 353.0609

■ 0.0000, 1.0753,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 45.1640, 75.4512,
53.7781

■ 45.1640, 75.4512,
53.7781

■ 43.2150, 74.5558,
48.7478

■ 47.8971, 76.7426,
59.2174

■ 41.8974, 73.9779,
44.1078

■ 51.5130, 78.4808,
65.0739

■ 41.8061, 73.9384,
43.7582

■ 56.0972, 80.7096,
71.3604

■ 61.7241, 83.4673,
78.0872

■ 68.4606, 86.7883,
85.2646

■ 76.3680, 90.7038,
92.9020

■ 85.5027, 95.2430,
101.0086

■ 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.



52.7414, 75.4512, 29.0792



45.1640, 75.4512, 53.7781



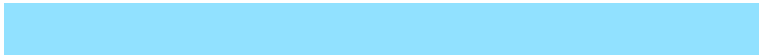
44.0343, 75.4512, 99.0907

Triad

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



45.1640, 75.4512, 53.7781



77.4070, 75.4512, 213.6205



99.9587, 75.4512, 35.5823

Complementary

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



45.1640, 75.4512, 53.7781



46.6105, 25.4457, 23.9295

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.



109.0812, 75.4512, 67.2654



45.1640, 75.4512, 53.7781



94.7653, 75.4512, 177.4353

Square

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



45.1640, 75.4512, 53.7781



60.9654, 75.4512, 205.3328



107.0432, 75.4512, 119.0812



83.6573, 75.4512, 21.8305

Rectangle

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



45.1640, 75.4512, 53.7781



46.8705, 75.4512, 138.0525



107.0432, 75.4512, 119.0812



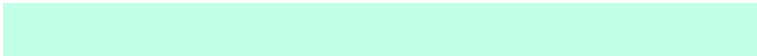
104.0751, 75.4512, 43.8405

Sweetspot

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



45.1647, 75.4515, 53.7794



72.4327, 88.7532, 89.1877



46.2032, 76.8294, 15.7635



14.9150, 18.7056, 18.5130



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.



45.1647, 75.4515, 53.7794



42.3957, 74.1930, 46.0162



49.1699, 67.2797, 105.0025



18.2402, 20.3556, 21.5679



21.9199, 38.6645, 23.2610



2.1878, 3.7860, 2.5465

Inverse Universe

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



46.6105, 25.4457, 23.9295



43.9975, 22.5882, 15.7567



44.2789, 26.3094, 6.1136



18.2997, 18.1032, 20.1953



22.7798, 11.6012, 7.4907



2.2695, 1.1502, 1.0006

Previews

White Background



This preview shows how the XYZ color 45.1640, 75.4512, 53.7781 looks on a white background.

Color Contrast Check

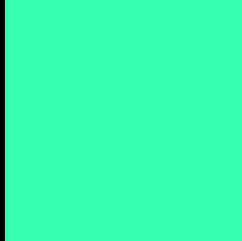
Large Text (above 18pt) WCAG AA × Fail

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 45.1640, 75.4512, 53.7781 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 45.1640, 75.4512, 53.7781

Background



This preview shows how black text looks on a background with the XYZ color 45.1640, 75.4512, 53.7781.



This preview shows how white text looks on a background with the XYZ color 45.1640, 75.4512,

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

45.1640, 75.4512, 53.7781

Protanopia

68.9337, 73.9450, 45.2899

Deuteranopia

74.7257, 73.5350, 58.3993



Tritanopia

59.7317, 74.5285, 105.8450

Trichromacy



Original Color

45.1640, 75.4512, 53.7781



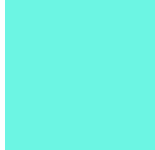
Protanomaly

53.7895, 71.0145, 47.9179



Deuteranomaly

56.3452, 70.0415, 56.4486



Tritanomaly

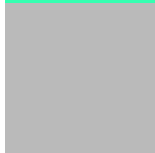
52.7019, 74.0390, 84.1863

Monochromacy



Original Color

45.1640, 75.4512, 53.7781



Achromatopsia

46.6715, 49.1021, 53.4722



Achromatomaly

42.3227, 55.4107, 53.2644

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.1640, 75.4512, 53.7781 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(53, 255, 177)` looks like.

```
.text, #text, p{  
    color:rgb(53, 255, 177)  
}
```

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(53, 255, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(53, 255, 177) }
```

Border

The CSS property to change the border of an element to XYZ 45.1640, 75.4512, 53.7781 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(53, 255, 177) }
```


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

```
.border{ border-color:rgb(53, 255, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(53, 255, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(53, 255, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(53, 255, 177);  
box-shadow:4px 4px 4px 4px rgb(53, 255,  
177) }
```

Background

The CSS property to change the background color of an element to XYZ 45.1640, 75.4512, 53.7781 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(53, 255, 177) }
```

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

```
.background{ background-color: rgb(53, 255,  
177) }
```

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