

# Converting Colors

XYZ(48.2237, 75.4736, 42.1541)

Have a look what the booklet for  
XYZ(48.2237, 75.4736, 42.1541)  
contains.

<b>XYZ(48.1321, 75.3592, 42.1460)</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(48.1321, 75.3592,  
42.1460)**

# Conversions

## Conversions Part 1

Format	Color
Hex	79FB99
RGB	121, 251, 153
RGB Percent	47%, 98%, 60%
CMY	0.5255, 0.0157, 0.4000
CMYK	0.52, 0.00, 0.39, 0.02
HSL	135°, 94%, 73%
HSV	135°, 52%, 98%
XYZ	48.1321, 75.3592, 42.1460
YIQ	200.9580, -46.0220, -58.0380

# Conversions

## Conversions Part 2

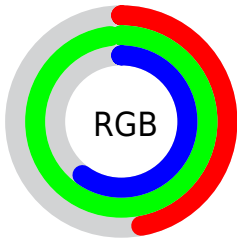
Format	Color
<a href="#">RYB</a>	<a href="#">121, 225, 251</a>
Decimal	<a href="#">7994265</a>
CIELab	<a href="#">89.56, -56.47, 36.24</a>
CIElCh	<a href="#">90, 67.099, 147.305</a>
Yxy	<a href="#">75.3592, 0.2906, 0.4550</a>
Android (android.graphics.Color)	<a href="#">4286184345 (0xFF79FB99)</a>
YUV	<a href="#">200.9580, -23.6433, -70.1232</a>
Hunter-Lab	<a href="#">86.8097, -52.9466, 31.9815</a>

# Details

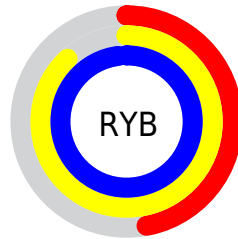
The XYZ color **48.1321, 75.3592, 42.1460** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **59.4095, 39.2999, 71.4746**, and the grayscale version is **55.6553, 58.5537, 63.7649**.

A 20% lighter version of the original color is **66.2012, 85.8978, 72.7653**, and **23.1063, 39.9494, 18.8051** is the 20% darker color. If you saturate the color by 10%, you get **43.6208, 73.2022, 34.4143**, and if you desaturate by 10%, it is **53.8100, 78.0933, 51.2292**.

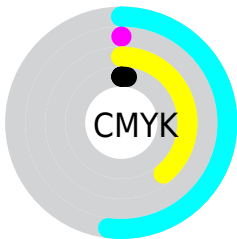
# Distribution



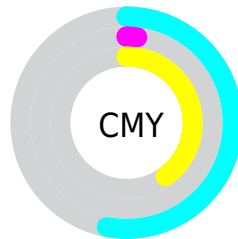
- Red (47%)
- Green (98%)
- Blue (60%)



- Red (47%)
- Yellow (88%)
- Blue (98%)



- Cyan (52%)
- Magenta (0%)
- Yellow (39%)
- Black (2%)




- Cyan (53%)
- Magenta (2%)
- Yellow (40%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 48.1321, 75.3592, 42.1460 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 48.1321, 75.3592, 42.1460 by changing the saturation by 10% instead.





 48.1321, 75.3592,  
42.1460


 48.1321, 75.3592,  
42.1460


369.8894,  
479.1513, 370.9053


 34.1432, 55.9072,  
28.8892


 86.6096, 126.8207,  
79.6930

 23.1670, 40.1285,  
18.7522


 111.8288,  
159.5990, 104.8203

 14.8383, 27.6388,  
11.3163


 141.5223,  
197.5882, 134.7415

 8.7915, 18.0535,  
6.1632

176.0552,  
241.1726, 169.8752

 4.6615, 10.9884,  
2.8742

215.7931,  
290.7368, 210.6399

 2.0827, 6.0591,  
1.0307

261.1011,

 0.6798, 2.8810,

346.6650, 257.4541

0.0000

312.3448,  
409.3417, 310.7364

0.0000, 1.0699,  
0.0000

0.0000, 0.0000,  
0.0000

48.1321, 75.3592,  
42.1460

48.1321, 75.3592,  
42.1460

43.6208, 73.2022,  
34.4143

53.8100, 78.0933,  
51.2292

40.1863, 71.5708,  
27.9643


60.7244, 81.4328,  
61.7193

37.7342, 70.4201,  
22.7274


68.9465, 85.4153,  
73.6744

36.1502, 69.6926,  
18.6265

78.5400, 90.0726,  
87.1483

 35.3623, 69.3427,  
16.0475

 89.5648, 95.4346,  
102.1917

 93.7886, 97.4772,  
108.4795

# Harmonies

## Analogous

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



58.0519, 75.3592, 24.9455



48.1321, 75.3592, 42.1460



44.4075, 75.3592, 77.8591

# Triad

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



48.1321, 75.3592, 42.1460



70.1468, 75.3592, 210.1864



103.6348, 75.3592, 47.0670

# Complementary

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



48.1321, 75.3592, 42.1460



59.4095, 39.2999, 71.4746

# 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.



108.1711, 75.3592, 86.3956



48.1321, 75.3592, 42.1460



87.1680, 75.3592, 191.9958

# Square

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



48.1321, 75.3592, 42.1460



55.8370, 75.3592, 184.5715



101.7401, 75.3592, 141.4857



90.1434, 75.3592, 26.9253



# Rectangle

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



48.1321, 75.3592, 42.1460



45.4326, 75.3592, 112.1160



101.7401, 75.3592, 141.4857



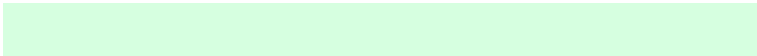
106.3397, 75.3592, 57.9112

# Sweetspot

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



48.1340, 75.3623, 42.1477



77.0375, 91.2413, 84.2451



67.6685, 85.6983, 31.0646



16.0524, 19.3173, 17.4179



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.



48.1340, 75.3623, 42.1477



45.1101, 75.8283, 35.4834



54.8223, 78.0376, 77.3678



17.1926, 19.3793, 19.2147



18.6352, 36.4671, 8.6882



1.7661, 3.3936, 1.0163



# Inverse Universe

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



59.4095, 39.2999, 71.4746



57.9108, 34.7531, 68.6774



52.5957, 36.5743, 35.5932



17.7997, 17.4472, 20.8010



25.8132, 12.7410, 26.7885

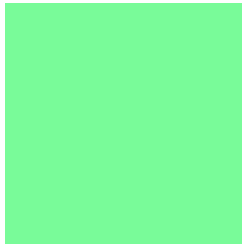


2.4326, 1.1968, 2.7015



# Previews

## White Background



This preview shows how the XYZ color 48.1321, 75.3592, 42.1460 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 48.1321, 75.3592, 42.1460 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 48.1321, 75.3592, 42.1460**

## **Background**



This preview shows how black text looks on a background with the XYZ color 48.1321, 75.3592, 42.1460.



This preview shows how white text looks on a background with the XYZ color 48.1321, 75.3592,



# 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

48.1321, 75.3592, 42.1460

### Protanopia

68.2323, 73.7830, 36.2365

### Deuteranopia

74.2911, 74.1810, 53.5828



## Tritanopia

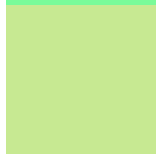
61.8518, 74.7569, 105.7773

# Trichromacy



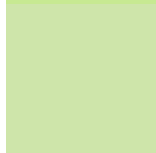
## Original Color

48.1321, 75.3592, 42.1460



## Protanomaly

57.8804, 72.4953, 38.1365



## Deuteranomaly

60.7286, 72.0627, 48.7390



## Tritanomaly

55.7347, 74.4059, 77.7539

# Monochromacy



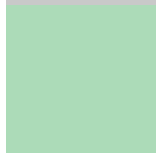
## Original Color

48.1321, 75.3592, 42.1460



## Achromatopsia

55.5167, 58.4078, 63.6061



## Achromatomaly

50.9965, 62.8944, 54.7994

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 48.1321, 75.3592, 42.1460 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(121, 251, 153)` looks like.

```
.text, #text, p{  
    color:rgb(121, 251, 153)  
}
```

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(121, 251, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 251, 153) }
```

## Border

The CSS property to change the border of an element to XYZ 48.1321, 75.3592, 42.1460 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(121, 251, 153) }
```



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

```
.border{ border-color:rgb(121, 251, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 251, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(121, 251, 153); -webkit-box-shadow:4px 4px 4px 4px rgb(121, 251, 153); box-shadow:4px 4px 4px 4px rgb(121, 251, 153) }
```

# Background

The CSS property to change the background color of an element to XYZ 48.1321, 75.3592, 42.1460 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 251, 153) }
```

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

```
.background{ background-color: rgb(121,  
251, 153) }
```

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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