

# Converting Colors

XYZ(50.9043, 71.2514, 75.4439)

Have a look what the booklet for  
XYZ(50.9043, 71.2514, 75.4439)  
contains.

<b>XYZ(50.7619, 71.0084, 75.3205)</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(50.7619, 71.0084,  
75.3205)**

# Conversions

## Conversions Part 1

Format	Color
Hex	75F0D7
RGB	117, 240, 215
RGB Percent	46%, 94%, 84%
CMY	0.5412, 0.0588, 0.1569
CMYK	0.51, 0.00, 0.10, 0.06
HSL	168°, 80%, 70%
HSV	168°, 51%, 94%
XYZ	50.7619, 71.0084, 75.3205
YIQ	200.3730, -65.2830, -33.8510

# Conversions

## Conversions Part 2

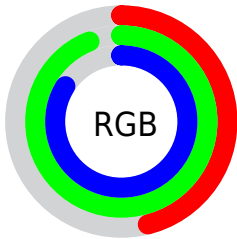
Format	Color
<a href="#">RYB</a>	<a href="#">117, 185, 240</a>
Decimal	<a href="#">7729367</a>
CIELab	<a href="#">87.49, -40.41, 1.55</a>
CIELCh	<a href="#">87, 40.436, 177.805</a>
Yxy	<a href="#">71.0084, 0.2576, 0.3603</a>
Android (android.graphics.Color)	<a href="#">4285919447 (0xFF75F0D7)</a>
YUV	<a href="#">200.3730, 7.2111, -73.1181</a>
Hunter-Lab	<a href="#">84.2665, -39.9384, 5.9909</a>

# Details

The XYZ color **50.7619, 71.0084, 75.3205** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **47.1813, 33.2027, 29.5157**, and the grayscale version is **55.1171, 57.9875, 63.1484**.

A 20% lighter version of the original color is **71.9415, 88.0871, 107.8185**, and **24.6948, 37.1351, 39.1239** is the 20% darker color. If you saturate the color by 10%, you get **47.3241, 69.3093, 71.9370**, and if you desaturate by 10%, it is **55.0490, 73.1467, 78.8444**.

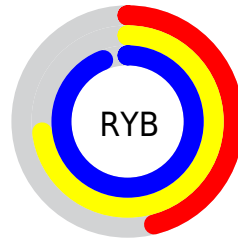
# Distribution



Red (46%)

Green (94%)

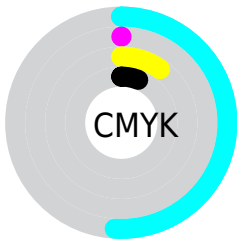
Blue (84%)



Red (46%)

Yellow (73%)

Blue (94%)

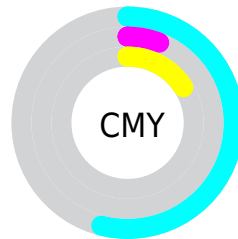


Cyan (51%)

Magenta (0%)

Yellow (10%)

Black (6%)



Cyan (54%)

Magenta (6%)


Yellow (16%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 50.7619, 71.0084, 75.3205 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 50.7619, 71.0084, 75.3205 by changing the saturation by 10% instead.





 50.7619, 71.0084,  
75.3205


 50.7619, 71.0084,  
75.3205


380.0409,  
464.0828, 498.3032

 36.2394, 52.3491,  
55.3722


 90.4878, 120.6457,  
128.5172

 24.7901, 37.2834,  
39.2992

 116.4220,  
152.3924, 162.6027

 16.0487, 25.4270,  
26.6829


 146.8907,  
189.2704, 202.2376

 9.6497, 16.3954,  
17.1049

182.2594,  
231.6640, 247.8406

 5.2278, 9.8044,  
10.1466

222.8934,  
279.9577, 299.8301

 2.4176, 5.2695,  
5.3894

269.1581,

 0.8539, 2.4062,

334.5357, 358.6246

2.4148

321.4188,  
395.7827, 424.6428

■ 0.0000, 0.8291,  
0.7945

■ 0.0000, 0.0000,  
0.0000

■ 50.7619, 71.0084,  
75.3205

■ 50.7619, 71.0084,  
75.3205

■ 47.3241, 69.3093,  
71.9370

■ 55.0490, 73.1467,  
78.8444

■ 44.6648, 68.0076,  
68.6852


■ 60.2371, 75.7456,  
82.5074


■ 42.7118, 67.0678,  
65.5623


■ 66.3809, 78.8349,  
86.3143


■ 41.3762, 66.4443,  
62.5634


■ 73.5291, 82.4398,  
90.2683


 40.5893, 66.0938,  
60.0343

 81.7267, 86.5835,  
94.3723

 88.7720, 90.1309,  
98.5239

 89.5239, 90.4317,  
102.4835

 90.2956, 90.7403,  
106.5471

 90.4513, 90.8026,  
107.3671

# Harmonies

## Analogous

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



53.1204, 71.0084, 52.5552



50.7619, 71.0084, 75.3205



52.5234, 71.0084, 104.5193

# Triad

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



50.7619, 71.0084, 75.3205



76.4201, 71.0084, 133.7547



77.7503, 71.0084, 40.8190

# Complementary

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



50.7619, 71.0084, 75.3205



47.1813, 33.2027, 29.5157

# 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.



85.0628, 71.0084, 55.2970



50.7619, 71.0084, 75.3205



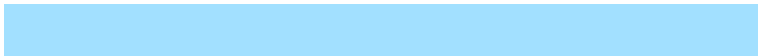
84.2453, 71.0084, 108.8402

# Square

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



50.7619, 71.0084, 75.3205



66.7909, 71.0084, 142.6351



87.5435, 71.0084, 79.3466



68.1967, 71.0084, 35.7869

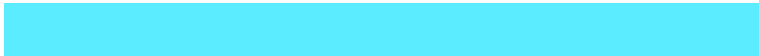


# Rectangle

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



50.7619, 71.0084, 75.3205



55.8991, 71.0084, 123.1640



87.5435, 71.0084, 79.3466



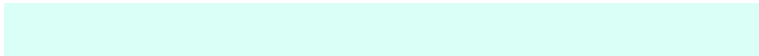
80.5847, 71.0084, 44.5452

# Sweetspot

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



50.7639, 71.0112, 75.3222



81.1242, 92.9627, 101.8456



45.8137, 69.5053, 27.8320



16.9919, 19.7102, 21.5936



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.



50.7639, 71.0112, 75.3222



54.3256, 79.5464, 82.5725



44.9336, 53.8101, 90.4595



16.1017, 17.8707, 19.5582



22.2676, 36.1991, 33.1217



1.8869, 3.0252, 2.9366



# Inverse Universe

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



47.1813, 33.2027, 29.5157



49.8460, 31.9097, 25.0292



50.3523, 42.2195, 22.3261



15.9042, 15.8114, 17.0516



20.0105, 10.2766, 2.7057

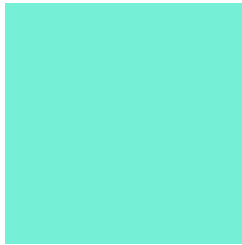


1.6993, 0.8687, 0.4071



# Previews

## White Background



This preview shows how the XYZ color 50.7619, 71.0084, 75.3205 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

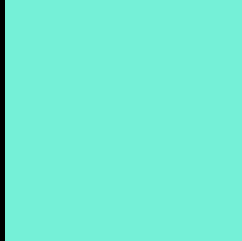
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 50.7619, 71.0084, 75.3205 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

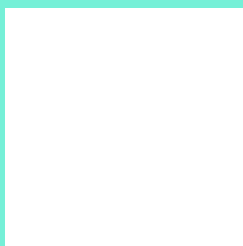
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 50.7619, 71.0084, 75.3205**

## **Background**



This preview shows how black text looks on a background with the XYZ color 50.7619, 71.0084, 75.3205.



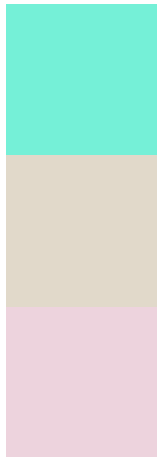
This preview shows how white text looks on a background with the XYZ color 50.7619, 71.0084,



# 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

50.7619, 71.0084, 75.3205

### Protanopia

66.5249, 69.8975, 65.8625

### Deuteranopia

71.2705, 69.8135, 78.1256



## Tritanopia

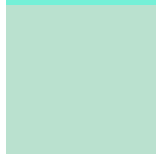
56.2057, 70.6046, 103.5942

# Trichromacy



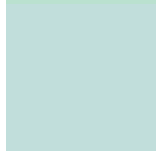
## Original Color

50.7619, 71.0084, 75.3205



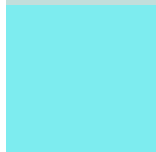
## Protanomaly

58.4374, 68.7945, 69.2302



## Deuteranomaly

60.8998, 68.6945, 77.0674



## Tritanomaly

54.0329, 70.5829, 92.4374

# Monochromacy



## Original Color

50.7619, 71.0084, 75.3205



## Achromatopsia

54.8990, 57.7580, 62.8985



## Achromatomaly

51.8974, 61.5547, 66.9036

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 50.7619, 71.0084, 75.3205 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(117, 240, 215)` looks like.

```
.text, #text, p{  
    color:rgb(117, 240, 215)  
}
```

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(117, 240, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 240, 215) }
```

## Border

The CSS property to change the border of an element to XYZ 50.7619, 71.0084, 75.3205 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(117, 240, 215) }
```



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

```
.border{ border-color:rgb(117, 240, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 240, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 240, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 240, 215);  
box-shadow:4px 4px 4px 4px rgb(117, 240,  
215) }
```

# Background

The CSS property to change the background color of an element to XYZ 50.7619, 71.0084, 75.3205 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 240, 215) }
```

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

```
.background{ background-color: rgb(117,  
240, 215) }
```

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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