

# Converting Colors

XYZ(53.3641, 70.6721, 53.4793)

Have a look what the booklet for  
XYZ(53.3641, 70.6721, 53.4793)  
contains.

<b>XYZ(53.3621, 70.6707, 53.4762)</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(53.3621, 70.6707,  
53.4762)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A5EBB3
RGB	165, 235, 179
RGB Percent	65%, 92%, 70%
CMY	0.3529, 0.0784, 0.2980
CMYK	0.30, 0.00, 0.24, 0.08
HSL	132°, 64%, 78%
HSV	132°, 30%, 92%
XYZ	53.3621, 70.6707, 53.4762
YIQ	207.6860, -23.7440, -32.2560

# Conversions

## Conversions Part 2

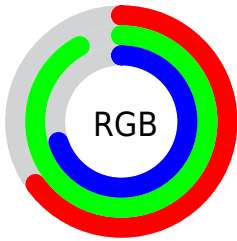
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">165, 223, 235</a>
Decimal	<a href="#">10873779</a>
CIELab	<a href="#">87.32, -32.89, 20.35</a>
CIELCh	<a href="#">87, 38.674, 148.251</a>
Yxy	<a href="#">70.6707, 0.3006, 0.3981</a>
Android (android.graphics.Color)	<a href="#">4289063859 (0xFFA5EBB3)</a>
YUV	<a href="#">207.6860, -14.1422, -37.4356</a>
Hunter-Lab	<a href="#">84.0659, -33.8097, 21.1304</a>

# Details

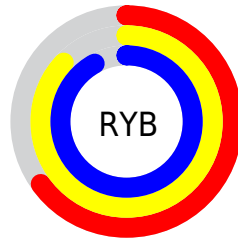
The XYZ color **53.3621, 70.6707, 53.4762** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **60.7696, 49.7945, 74.8179**, and the grayscale version is **59.8521, 62.9691, 68.5733**.

A 20% lighter version of the original color is **80.5742, 92.8903, 92.2802**, and **26.4415, 37.1261, 25.5111** is the 20% darker color. If you saturate the color by 10%, you get **47.1424, 67.6713, 43.9275**, and if you desaturate by 10%, it is **60.7429, 74.2428, 64.4355**.

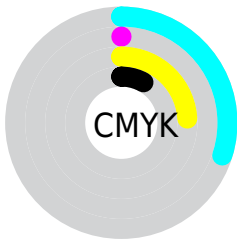
# Distribution



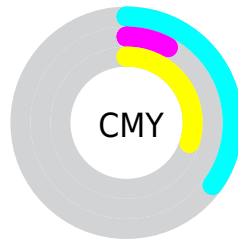
- Red (65%)
- Green (92%)
- Blue (70%)



- Red (65%)
- Yellow (87%)
- Blue (92%)



- Cyan (30%)
- Magenta (0%)
- Yellow (24%)
- Black (8%)




- Cyan (35%)
- Magenta (8%)
- Yellow (30%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 53.3621, 70.6707, 53.4762 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 53.3621, 70.6707, 53.4762 by changing the saturation by 10% instead.





 53.3621, 70.6707,  
53.4762


 53.3621, 70.6707,  
53.4762


389.9110,  
462.9015, 417.2274

 38.3205, 52.0735,  
37.7927


 94.2994, 120.1647,  
96.7534

 26.4099, 37.0637,  
25.5213


 120.9258,  
151.8303, 125.1841

 17.2648, 25.2568,  
16.2433


152.1446,  
188.6209, 158.7011

 10.5200, 16.2685,  
9.5403

188.3210,  
230.9208, 197.7227

 5.8099, 9.7143,  
4.9936

229.8206,  
279.1144, 242.6677

 2.7694, 5.2100,  
2.1848


277.0085,

 1.0330, 2.3710,


333.5861, 293.9544


0.6656


330.2502,  
394.7203, 352.0015


 0.0000, 0.8109,  
0.0000


 0.0000, 0.0000,  
0.0000


 53.3621, 70.6707,  
53.4762


 53.3621, 70.6707,  
53.4762


 47.1424, 67.6713,  
43.9275


 60.7429, 74.2428,  
64.4355

 42.0186, 65.2061,  
35.7276

 69.3346, 78.4059,  
76.8547

 37.9275, 63.2457,  
28.8169

 79.1907, 83.1888,  
90.7864

 34.7968, 61.7544,  
23.1295

 88.8717, 87.8482,  
106.2094

■ 32.5448, 60.6916,  
18.5937

■ 88.9997, 87.8994,  
106.8832

■ 31.0756, 60.0093,  
15.1303

■ 30.2371, 59.6311,  
12.6481

■ 30.2228, 59.6246,  
12.6052

# Harmonies

## Analogous

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



59.2235, 70.6707, 40.7075



53.3621, 70.6707, 53.4762



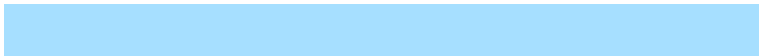
51.1543, 70.6707, 75.4292

# Triad

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



53.3621, 70.6707, 53.4762



66.6378, 70.6707, 138.6944



83.7935, 70.6707, 55.5814

# Complementary

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



53.3621, 70.6707, 53.4762



60.7696, 49.7945, 74.8179

# 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.



86.2226, 70.6707, 78.4878



53.3621, 70.6707, 53.4762



75.7982, 70.6707, 130.0727

# Square

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



53.3621, 70.6707, 53.4762



58.3771, 70.6707, 127.9147



83.1762, 70.6707, 106.4451



76.8051, 70.6707, 41.7161



# Rectangle

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



53.3621, 70.6707, 53.4762



51.8851, 70.6707, 93.7347



83.1762, 70.6707, 106.4451



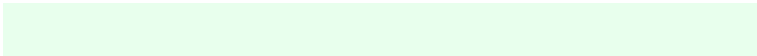
85.1966, 70.6707, 62.2963

# Sweetspot

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



53.3640, 70.6737, 53.4778



84.2884, 94.7776, 93.6967



66.6779, 77.6927, 47.0799



17.6941, 20.1180, 19.5591



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

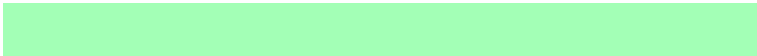


# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



53.3640, 70.6737, 53.4778



59.3033, 82.6869, 56.8525



57.2166, 72.2147, 73.7656



14.9915, 16.9114, 16.6380



16.8557, 33.1967, 7.2052



1.3571, 2.6201, 0.7421



# Inverse Universe

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



60.7696, 49.7945, 74.8179



69.6062, 53.6189, 86.5261



56.7057, 48.1689, 53.4176



15.5782, 15.2591, 18.3300



24.1663, 11.8692, 27.7407

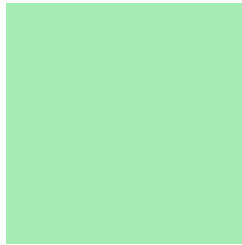


1.9304, 0.9451, 2.3508



# Previews

## White Background



This preview shows how the XYZ color 53.3621, 70.6707, 53.4762 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 53.3621, 70.6707, 53.4762 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

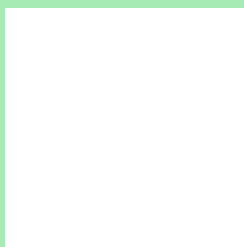
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 53.3621, 70.6707, 53.4762**

## **Background**



This preview shows how black text looks on a background with the XYZ color 53.3621, 70.6707, 53.4762.



This preview shows how white text looks on a background with the XYZ color 53.3621, 70.6707,

53.4762.

# 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

53.3621, 70.6707, 53.4762

### Protanopia

65.7008, 70.2389, 48.6227

### Deuteranopia

71.4820, 70.0631, 55.1034



## Tritanopia

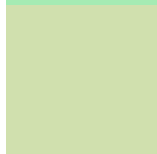
61.6570, 70.2715, 95.9020

# Trichromacy



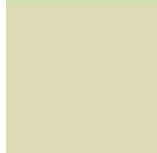
## Original Color

53.3621, 70.6707, 53.4762



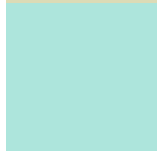
## Protanomaly

60.3081, 69.7772, 50.3342



## Deuteranomaly

63.2902, 69.2561, 54.2880



## Tritanomaly

58.1712, 70.0902, 78.1730

# Monochromacy



## Original Color

53.3621, 70.6707, 53.4762



## Achromatopsia

59.9535, 63.0757, 68.6895



## Achromatomaly

56.8877, 65.3805, 62.4447

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 53.3621, 70.6707, 53.4762 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(165, 235, 179)` looks like.

```
.text, #text, p{  
    color:rgb(165, 235, 179)  
}
```

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(165, 235, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 235, 179) }
```

## Border

The CSS property to change the border of an element to XYZ 53.3621, 70.6707, 53.4762 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(165, 235, 179) }
```



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

```
.border{ border-color:rgb(165, 235, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 235, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 235, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 235, 179);  
box-shadow:4px 4px 4px 4px rgb(165, 235,  
179) }
```

# Background

The CSS property to change the background color of an element to XYZ 53.3621, 70.6707, 53.4762 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 235, 179) }
```

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

```
.background{ background-color: rgb(165,  
235, 179) }
```

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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