

# Converting Colors

XYZ(53.5075, 64.1718, 97.5086)

Have a look what the booklet for  
XYZ(53.5075, 64.1718, 97.5086)  
contains.

<b>XYZ(53.4602, 64.0038, 97.5320)</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(53.4602, 64.0038,  
97.5320)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8CDDF7
RGB	140, 221, 247
RGB Percent	55%, 87%, 97%
CMY	0.4510, 0.1333, 0.0314
CMYK	0.43, 0.11, 0.00, 0.03
HSL	195°, 87%, 76%
HSV	195°, 43%, 97%
XYZ	53.4602, 64.0038, 97.5320
YIQ	199.7450, -56.6220, -9.0860

# Conversions

## Conversions Part 2

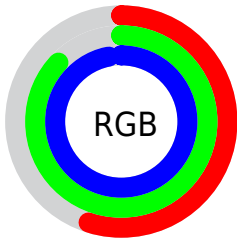
<b>Format</b>	<b>Color</b>
<b>RYB</b>	140, 186, 247
Decimal	9231863
CIELab	83.97, -18.16, -20.44
CIElCh	84, 27.341, 228.367
Yxy	64.0038, 0.2487, 0.2977
Android (android.graphics.Color)	4287421943 (0xFF8CDDF7)
YUV	199.7450, 23.2967, -52.3964
Hunter-Lab	80.0024, -20.7246, -16.2796

# Details

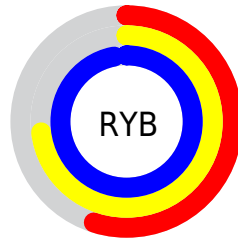
The XYZ color **53.4602, 64.0038, 97.5320** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **56.7289, 48.9413, 31.2695**, and the grayscale version is **54.6309, 57.4760, 62.5913**.

A 20% lighter version of the original color is **77.0987, 90.7458, 108.0599**, and **26.5199, 32.8279, 54.2289** is the 20% darker color. If you saturate the color by 10%, you get **48.2001, 58.9830, 96.8413**, and if you desaturate by 10%, it is **59.7150, 69.6243, 98.2883**.

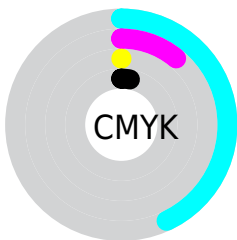
# Distribution



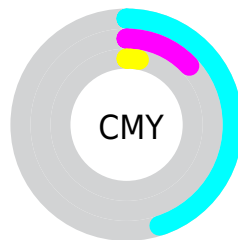
- Red (55%)
- Green (87%)
- Blue (97%)



- Red (55%)
- Yellow (73%)
- Blue (97%)



- Cyan (43%)
- Magenta (11%)
- Yellow (0%)
- Black (3%)




- Cyan (45%)
- Magenta (13%)
- Yellow (3%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 53.4602, 64.0038, 97.5320 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 53.4602, 64.0038, 97.5320 by changing the saturation by 10% instead.




 53.4602, 64.0038,  
97.5320


 53.4602, 64.0038,  
97.5320


390.2803,  
439.2034, 573.4296

 38.3992, 46.6538,  
73.6357


 94.4428, 110.6164,  
159.7836

 26.4713, 32.7620,  
54.0009

 121.0950,  
140.6478, 198.9759

 17.3111, 21.9442,  
38.2092

152.3418,  
175.6750, 244.1040

 10.5532, 13.8159,  
25.8420

188.5484,  
216.0825, 295.5864

 5.8323, 7.9927,  
16.4808

230.0802,  
262.2547, 353.8416

 2.7831, 4.0903,  
9.7070

277.3025,

 1.0401, 1.7242,

314.5760, 419.2882

5.1021

330.5808,  
373.4308, 492.3447

■ 0.0000, 0.4393,  
2.2475

■ 0.0000, 0.0000,  
0.7016

■ 53.4602, 64.0038,  
97.5320

■ 53.4602, 64.0038,  
97.5320

■ 48.2001, 58.9830,  
96.8413

■ 59.7150, 69.6243,  
98.2883

■ 43.8649, 54.5209,  
96.2085

■ 67.0165, 75.8679,  
99.1086

■ 40.3848, 50.5819,  
95.6316

■ 75.4200, 82.7654,  
99.9971

■ 37.6771, 47.1225,  
95.1066

■ 84.9751, 90.3432,  
100.9561

■ 35.6411, 44.0900,  
94.6286

■ 92.5295, 96.9770,  
101.8384

■ 34.5561, 42.2502,  
94.3306

■ 93.7887, 99.4955,  
102.2582

# Harmonies

## Analogous

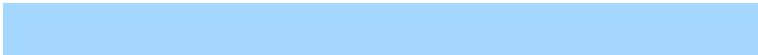
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



50.4921, 64.0038, 80.6707



53.4602, 64.0038, 97.5320



58.5285, 64.0038, 107.4808

# Triad

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



53.4602, 64.0038, 97.5320



72.8954, 64.0038, 76.5926



57.2572, 64.0038, 42.7151

# Complementary

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



53.4602, 64.0038, 97.5320



56.7289, 48.9413, 31.2695

# 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.



63.1987, 64.0038, 41.9916



53.4602, 64.0038, 97.5320



72.4989, 64.0038, 59.7526

# Square

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



53.4602, 64.0038, 97.5320



69.9058, 64.0038, 94.1256



68.8558, 64.0038, 47.7243



52.5825, 64.0038, 49.8968



# Rectangle

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



53.4602, 64.0038, 97.5320



62.5344, 64.0038, 107.9195



68.8558, 64.0038, 47.7243



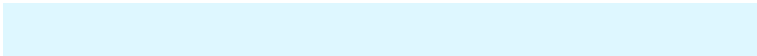
59.1641, 64.0038, 41.7580

# Sweetspot

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



53.4622, 64.0063, 97.5335



81.3723, 89.2140, 107.5390



50.8661, 74.8138, 47.3429



16.9653, 18.7302, 22.9711



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

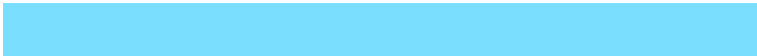


# Same Dimension

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



53.4622, 64.0063, 97.5335



52.4621, 64.0454, 104.2047



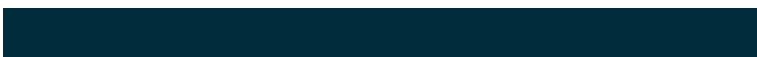
41.7068, 40.4954, 93.6150



16.6357, 18.0356, 21.1470



18.3920, 22.5777, 49.9266



1.6960, 2.1434, 4.4146



# Inverse Universe

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



60.7887, 43.7526, 73.6505



61.5386, 40.5934, 74.2495



68.2854, 72.0544, 35.1217



17.0314, 16.6954, 19.9121



25.0879, 12.3786, 26.2351

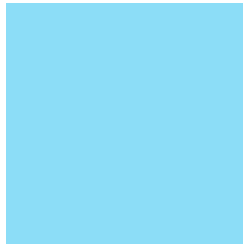


2.2451, 1.1040, 2.5172



# Previews

## White Background



This preview shows how the XYZ color 53.4602, 64.0038, 97.5320 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

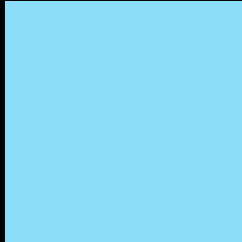
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 53.4602, 64.0038, 97.5320 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

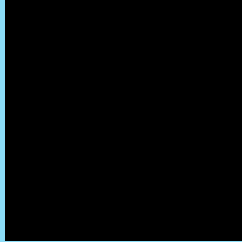
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 53.4602, 64.0038, 97.5320

## Background



This preview shows how black text looks on a background with the XYZ color 53.4602, 64.0038, 97.5320.



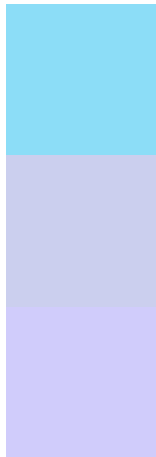
This preview shows how white text looks on a background with the XYZ color 53.4602, 64.0038,



# 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

53.4602, 64.0038, 97.5320

### Protanopia

62.3740, 63.4952, 89.8573

### Deuteranopia

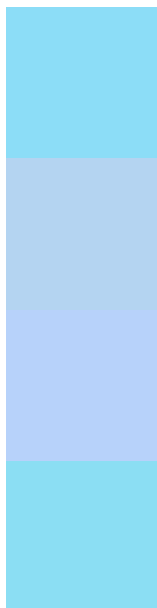
65.0179, 63.5607, 100.1084



## Tritanopia

52.3307, 63.9371, 92.0211

# Trichromacy



## Original Color

53.4602, 64.0038, 97.5320

## Protanomaly

58.2431, 63.1411, 92.3368

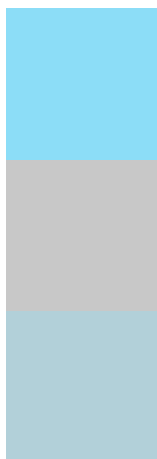
## Deuteranomaly

59.8304, 63.0626, 99.4614

## Tritanomaly

52.9464, 64.2026, 94.3958

# Monochromacy



## Original Color

53.4602, 64.0038, 97.5320

## Achromatopsia

54.8990, 57.7580, 62.8985

## Achromatomaly

53.4404, 59.5865, 74.3304

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 53.4602, 64.0038, 97.5320 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(140, 221, 247)` looks like.

```
.text, #text, p{  
    color:rgb(140, 221, 247)  
}
```

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(140, 221, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 221, 247) }
```

## Border

The CSS property to change the border of an element to XYZ 53.4602, 64.0038, 97.5320 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(140, 221, 247) }
```



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

```
.border{ border-color:rgb(140, 221, 247) }
```

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

Here you see how a box with a 4 pixel rgb(140, 221, 247) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 221, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 221, 247);  
box-shadow:4px 4px 4px 4px rgb(140, 221,  
247) }
```

# Background

The CSS property to change the background color of an element to XYZ 53.4602, 64.0038, 97.5320 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 221, 247) }
```

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

```
.background{ background-color: rgb(140,  
221, 247) }
```

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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