

# Converting Colors

XYZ(49.5797, 53.5926, 84.1124)

Have a look what the booklet for  
XYZ(49.5797, 53.5926, 84.1124)  
contains.

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# Color

**XYZ(49.4320, 53.4401,  
84.0536)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	A2C5E8
RGB	162, 197, 232
RGB Percent	64%, 77%, 91%
CMY	0.3647, 0.2274, 0.0902
CMYK	0.30, 0.15, 0.00, 0.09
HSL	210°, 60%, 77%
HSV	210°, 30%, 91%
XYZ	49.4320, 53.4401, 84.0536
YIQ	190.5250, -32.0950, 3.4650

# Conversions

## Conversions Part 2

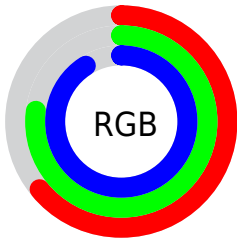
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">162, 185, 232</a>
Decimal	<a href="#">10667496</a>
CIELab	<a href="#">78.13, -3.66, -21.17</a>
CIElCh	<a href="#">78, 21.482, 260.197</a>
Yxy	<a href="#">53.4401, 0.2644, 0.2859</a>
Android (android.graphics.Color)	<a href="#">4288857576 (0xFFA2C5E8)</a>
YUV	<a href="#">190.5250, 20.4472, -25.0164</a>
Hunter-Lab	<a href="#">73.1027, -7.2283, -16.9998</a>

# Details

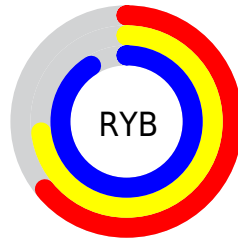
The XYZ color **49.4320, 53.4401, 84.0536** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **59.7673, 59.6974, 42.5564**, and the grayscale version is **49.1466, 51.7060, 56.3079**.

A 20% lighter version of the original color is **82.4053, 93.0090, 108.2171**, and **23.8433, 25.9677, 44.8299** is the 20% darker color. If you saturate the color by 10%, you get **42.6139, 46.1656, 83.0098**, and if you desaturate by 10%, it is **57.3255, 61.5723, 85.2082**.

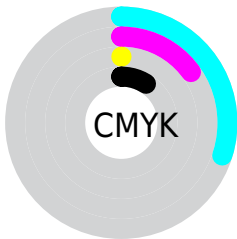
# Distribution



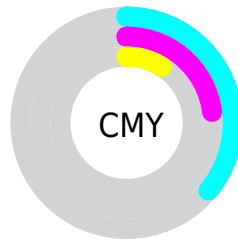
- Red (64%)
- Green (77%)
- Blue (91%)



- Red (64%)
- Yellow (73%)
- Blue (91%)



- Cyan (30%)
- Magenta (15%)
- Yellow (0%)
- Black (9%)




- Cyan (36%)
- Magenta (23%)
- Yellow (9%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 49.4320, 53.4401, 84.0536 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 49.4320, 53.4401, 84.0536 by changing the saturation by 10% instead.





 49.4320, 53.4401,  
84.0536


 49.4320, 53.4401,  
84.0536


374.9293,  
399.9713, 528.5539

 35.1782, 38.1542,  
62.5140


 88.5296, 95.2517,  
140.9125

 23.9674, 26.1024,  
45.0097

 114.1041,  
122.5461, 177.0690

 15.4340, 16.9003,  
31.1221


144.1830,  
154.6122, 218.9349

 9.2128, 10.1634,  
20.4326

179.1315,  
191.8344, 266.9287

 4.9385, 5.5074,  
12.5227

219.3151,  
234.5970, 321.4689

 2.2456, 2.5480,  
6.9739

265.0990,

 0.7666, 0.9006,

283.2844, 382.9742

3.3676

316.8486,  
338.2811, 451.8630

■ 0.0000, 0.0000,  
1.2852

■ 0.0000, 0.0000,  
0.0496

■ 49.4320, 53.4401,  
84.0536

■ 49.4320, 53.4401,  
84.0536

■ 42.6139, 46.1656,  
83.0098

■ 57.3255, 61.5723,  
85.2082

■ 36.8138, 39.7089,  
82.0692

■ 66.3381, 70.5876,  
86.4733

■ 31.9762, 34.0355,  
81.2291

■ 76.5167, 80.5177,  
87.8535

■ 28.0376, 29.1055,  
80.4851

■ 87.9043, 91.3909,  
89.3520

■ 24.9260, 24.8743,  
79.8324

■ 91.5657, 98.6063,  
90.5518

■ 22.5566, 21.2902,  
79.2654

■ 20.8118, 18.3186,  
78.7838

# Harmonies

## Analogous

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



45.8018, 53.4401, 77.8039



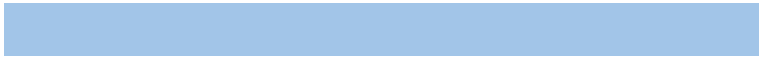
49.4320, 53.4401, 84.0536



53.6298, 53.4401, 82.6767

# Triad

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



49.4320, 53.4401, 84.0536



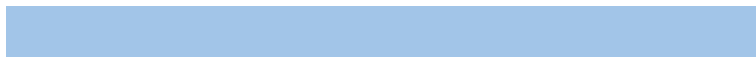
58.7472, 53.4401, 50.5690



44.8439, 53.4401, 44.6144

# Complementary

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



49.4320, 53.4401, 84.0536



59.7673, 59.6974, 42.5564

# 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.



48.0584, 53.4401, 39.0850



49.4320, 53.4401, 84.0536



56.1347, 53.4401, 42.1804

# Square

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



49.4320, 53.4401, 84.0536



59.1650, 53.4401, 62.2103



52.1792, 53.4401, 38.2599



43.2509, 53.4401, 54.3414



# Rectangle

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



49.4320, 53.4401, 84.0536



56.1802, 53.4401, 77.6798



52.1792, 53.4401, 38.2599



45.7621, 53.4401, 42.2630

# Sweetspot

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



49.4337, 53.4422, 84.0548



83.5531, 88.8004, 107.3442



53.7029, 69.3737, 62.6864



17.5101, 18.6383, 22.9246



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

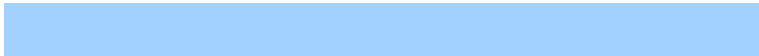


# Same Dimension

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



49.4337, 53.4422, 84.0548



56.0208, 60.6788, 103.3673



42.5939, 39.7626, 81.7749



14.1753, 15.0719, 18.3064



11.6798, 10.4217, 43.7792



0.9560, 0.9559, 3.2661



# Inverse Universe

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



56.2785, 47.0291, 58.9370



65.8940, 52.1340, 66.9779



68.3306, 76.8241, 45.4109



14.6761, 14.4876, 16.4945



20.2889, 10.2498, 10.4164

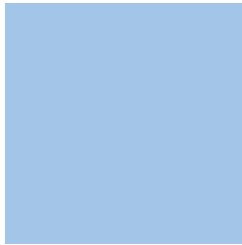


1.5462, 0.7762, 1.0166



# Previews

## White Background



This preview shows how the XYZ color 49.4320, 53.4401, 84.0536 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

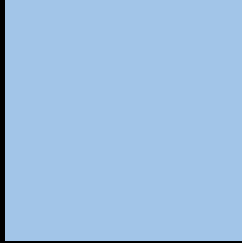
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 49.4320, 53.4401, 84.0536 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

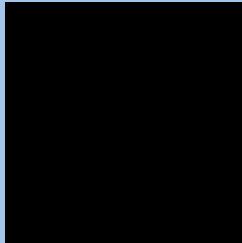
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

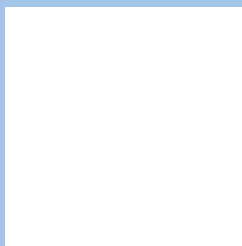
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 49.4320, 53.4401, 84.0536**

## **Background**



This preview shows how black text looks on a background with the XYZ color 49.4320, 53.4401, 84.0536.



This preview shows how white text looks on a background with the XYZ color 49.4320, 53.4401,



# 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

49.4320, 53.4401, 84.0536

### Protanopia

52.6420, 53.1773, 80.8885

### Deuteranopia

54.5347, 53.4121, 85.2772



## Tritanopia

47.1495, 53.5355, 72.8141

# Trichromacy



## Original Color

49.4320, 53.4401, 84.0536

## Protanomaly

51.3443, 53.1442, 81.6805

## Deuteranomaly

52.3800, 53.2858, 84.6153

## Tritanomaly

47.9063, 53.4917, 76.9072

# Monochromacy



## Original Color

49.4320, 53.4401, 84.0536

## Achromatopsia

49.5206, 52.0996, 56.7364

## Achromatomaly

49.0329, 52.2995, 65.9030

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 49.4320, 53.4401, 84.0536 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(162, 197, 232)` looks like.

```
.text, #text, p{  
    color:rgb(162, 197, 232)  
}
```

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(162, 197, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 197, 232) }
```

## Border

The CSS property to change the border of an element to XYZ 49.4320, 53.4401, 84.0536 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(162, 197, 232) }
```



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

```
.border{ border-color:rgb(162, 197, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 197, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 197, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 197, 232);  
box-shadow:4px 4px 4px 4px rgb(162, 197,  
232) }
```

# Background

The CSS property to change the background color of an element to XYZ 49.4320, 53.4401, 84.0536 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 197, 232) }
```

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

```
.background{ background-color: rgb(162,  
197, 232) }
```

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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