

Converting Colors

XYZ(49.8155, 52.8003,
100.0801)

Have a look what the booklet for
XYZ(49.8155, 52.8003, 100.0801)
contains.

XYZ(50.0472, 53.0557, 100.5315)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(50.0472, 53.0557,
100.5315)**

Conversions

Conversions Part 1

Format	Color
Hex	96C4FD
RGB	150, 196, 253
RGB Percent	59%, 77%, 99%
CMY	0.4117, 0.2314, 0.0078
CMYK	0.41, 0.23, 0.00, 0.01
HSL	213°, 96%, 79%
HSV	213°, 41%, 99%
XYZ	50.0472, 53.0557, 100.5315
YIQ	188.7440, -45.7130, 7.9750

Conversions

Conversions Part 2

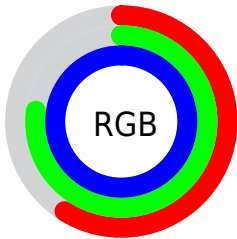
Format	Color
R _Y B	150, 182, 253
Decimal	9880829
CIE Lab	77.91, -1.02, -32.84
CIE LCh	78, 32.856, 268.219
Yxy	53.0557, 0.2458, 0.2605
Android (android.graphics.Color)	4288070909 (0xFF96C4FD)
YUV	188.7440, 31.6782, -33.9785
Hunter-Lab	72.8393, -4.8232, -30.8434

Details

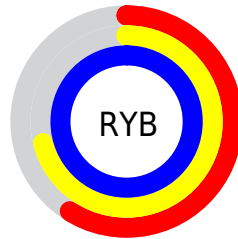
The XYZ color **50.0472, 53.0557, 100.5315** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **68.3272, 67.7118, 38.3245**, and the grayscale version is **48.0686, 50.5719, 55.0728**.

A 20% lighter version of the original color is **78.5925, 90.1062, 107.8577**, and **24.2529, 25.7112, 55.9090** is the 20% darker color. If you saturate the color by 10%, you get **42.8726, 44.8865, 99.3338**, and if you desaturate by 10%, it is **58.5251, 62.3364, 101.8770**.

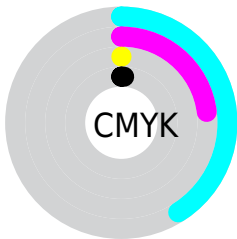
Distribution



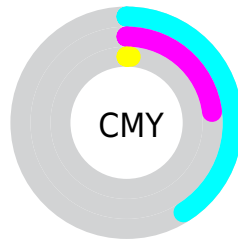
- Red (59%)
- Green (77%)
- Blue (99%)



- Red (59%)
- Yellow (71%)
- Blue (99%)



- Cyan (41%)
- Magenta (23%)
- Yellow (0%)
- Black (1%)



- Cyan (41%)
- Magenta (23%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.0472, 53.0557, 100.5315 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 50.0472, 53.0557, 100.5315 by changing the saturation by 10% instead.

■ 50.0472, 53.0557,
100.5315

■ 50.0472, 53.0557,
100.5315

377.2994,
398.4988, 583.1566

■ 35.6689, 37.8472,
76.1251

■ 89.4362, 94.6863,
163.9456

■ 24.3475, 25.8641,
56.0279

■ 115.1776,
121.8773, 203.7905

■ 15.7177, 16.7220,
39.8211

145.4373,
153.8312, 249.6186

■ 9.4142, 10.0365,
27.0864

180.5809,
190.9324, 301.8485

■ 5.0716, 5.4232,
17.4051

220.9735,
233.5654, 360.8987

■ 2.3245, 2.4976,
10.3587

266.9805,

■ 0.8072, 0.8755,

282.1145, 427.1877

5.5287

318.9674,
336.9642, 501.1342

■ 0.0000, 0.0000,
2.4966

■ 0.0000, 0.0000,
0.8384

■ 50.0472, 53.0557,
100.5315

■ 50.0472, 53.0557,
100.5315

■ 42.8726, 44.8865,
99.3338

■ 58.5251, 62.3364,
101.8770

■ 36.9226, 37.7732,
98.2744

■ 68.3681, 72.7688,
103.3719

■ 32.1175, 31.6632,
97.3483

■ 79.6403, 84.3979,
105.0224

■ 28.3650, 26.4960,
96.5487

■ 92.4000, 97.2645,
106.8334

■ 25.5555, 22.2014,
95.8678

94.7298, 99.8719,
107.2139

■ 23.6340, 18.9003,
95.3319

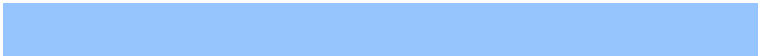
Harmonies

Analogous

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



44.2330, 53.0557, 93.1175



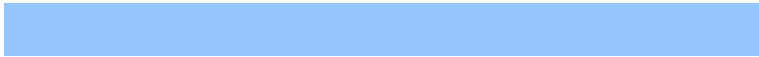
50.0472, 53.0557, 100.5315



56.4600, 53.0557, 94.6281

Triad

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



50.0472, 53.0557, 100.5315



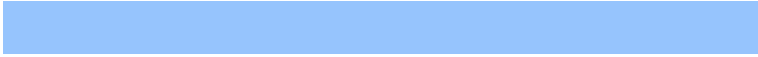
62.0404, 53.0557, 42.6841



40.6929, 53.0557, 41.1556

Complementary

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



50.0472, 53.0557, 100.5315



68.3272, 67.7118, 38.3245

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.



44.8414, 53.0557, 31.9910



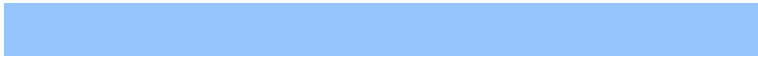
50.0472, 53.0557, 100.5315



57.1757, 53.0557, 32.7337

Square

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



50.0472, 53.0557, 100.5315



63.7244, 53.0557, 58.8685



50.8104, 53.0557, 29.2650



39.1229, 53.0557, 56.6826

Rectangle

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



50.0472, 53.0557, 100.5315



60.1503, 53.0557, 84.5115



50.8104, 53.0557, 29.2650



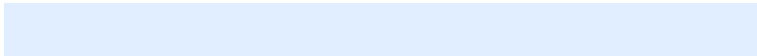
41.8140, 53.0557, 37.3620

Sweetspot

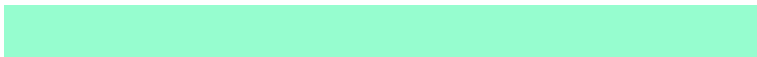
The Sweet Spot groups the original color and five complimentary colors.



50.0490, 53.0577, 100.5328



79.5084, 84.3189, 106.6924



58.9242, 81.2238, 71.3812



16.6844, 17.7060, 22.7882



0.0000, 0.0000, 0.0000



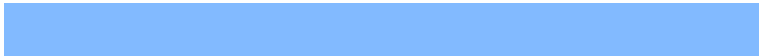
20.3446, 21.4041, 23.3091

Same Dimension

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



50.0490, 53.0577, 100.5328



44.7916, 47.0258, 101.3239



42.1841, 35.8899, 97.6336



17.6709, 18.7133, 22.9306



12.7126, 10.3349, 50.7594



1.3448, 1.2204, 4.9779

Inverse Universe

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



61.3797, 46.6827, 58.0021



58.0766, 40.7775, 51.1825



79.2897, 92.3827, 42.5087



18.3465, 18.1219, 20.4419



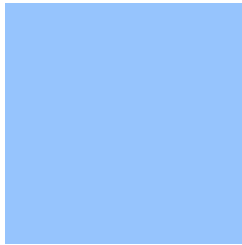
23.2049, 11.7713, 9.7297



2.3134, 1.1677, 1.2319

Previews

White Background



This preview shows how the XYZ color 50.0472, 53.0557, 100.5315 looks on a white background.

Color Contrast Check

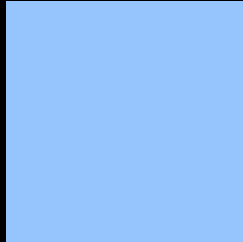
Large Text (above 18pt) WCAG AA × Fail

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 50.0472, 53.0557, 100.5315 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

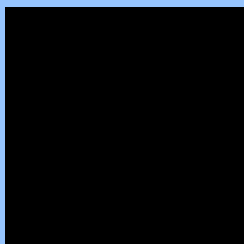
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

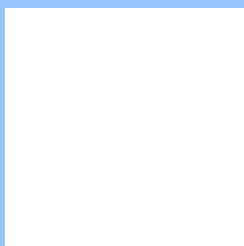
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 50.0472, 53.0557, 100.5315

Background



This preview shows how black text looks on a background with the XYZ color 50.0472, 53.0557, 100.5315.



This preview shows how white text looks on a background with the XYZ color 50.0472, 53.0557,

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

50.0472, 53.0557, 100.5315

Protanopia

53.4882, 52.9513, 96.2084

Deuteranopia

54.1521, 52.8453, 101.9538



Tritanopia

44.7599, 52.9657, 74.1940

Trichromacy



Original Color

50.0472, 53.0557, 100.5315

Protanomaly

52.0413, 52.8169, 97.8943

Deuteranomaly

52.6754, 53.0705, 101.2333

Tritanomaly

46.5797, 53.0074, 83.3777

Monochromacy



Original Color

50.0472, 53.0557, 100.5315

Achromatopsia

48.3692, 50.8881, 55.4172

Achromatomaly

48.4125, 51.5667, 69.6891

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.0472, 53.0557, 100.5315 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(150, 196, 253)` looks like.

```
.text, #text, p{  
    color:rgb(150, 196, 253)  
}
```

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(150, 196, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 196, 253) }
```

Border

The CSS property to change the border of an element to XYZ 50.0472, 53.0557, 100.5315 is called "border". The border property can be set on classes, ids or directly on the HTML element.

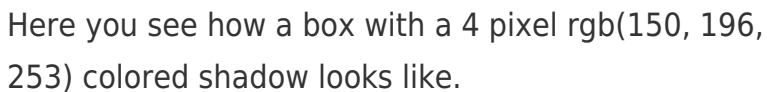
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(150, 196, 253) }
```


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

```
.border{ border-color:rgb(150, 196, 253) }
```

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



Here you see how a box with a 4 pixel `rgb(150, 196, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(150, 196, 253); -webkit-box-shadow:4px 4px 4px 4px rgb(150, 196, 253); box-shadow:4px 4px 4px 4px rgb(150, 196, 253) }
```

Background

The CSS property to change the background color of an element to XYZ 50.0472, 53.0557, 100.5315 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 196, 253) }
```

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

```
.background{ background-color: rgb(150,  
196, 253) }
```

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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