

Converting Colors

XYZ(49.2688, 54.8948,
100.9128)

Have a look what the booklet for
XYZ(49.2688, 54.8948, 100.9128)
contains.

XYZ(49.4021, 55.1221, 100.9644)	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(49.4021, 55.1221,
100.9644)**

Conversions

Conversions Part 1

Format	Color
Hex	89CBFD
RGB	137, 203, 253
RGB Percent	54%, 80%, 99%
CMY	0.4627, 0.2039, 0.0078
CMYK	0.46, 0.20, 0.00, 0.01
HSL	206°, 97%, 76%
HSV	206°, 46%, 99%
XYZ	49.4021, 55.1221, 100.9644
YIQ	188.9660, -55.3860, 1.5580

Conversions

Conversions Part 2

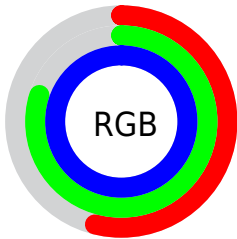
Format	Color
R _{YB}	137, 179, 253
Decimal	9030653
CIE Lab	79.11, -7.95, -31.04
CIE LCh	79, 32.046, 255.633
Yxy	55.1221, 0.2404, 0.2682
Android (android.graphics.Color)	4287220733 (0xFF89CBFD)
YUV	188.9660, 31.5688, -45.5742
Hunter-Lab	74.2443, -11.1536, -28.6572

Details

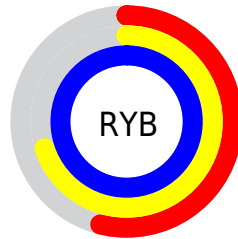
The XYZ color **49.4021, 55.1221, 100.9644** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **62.7952, 58.2312, 31.5989**, and the grayscale version is **48.1999, 50.7100, 55.2232**.

A 20% lighter version of the original color is **76.3157, 90.3421, 108.0232**, and **23.9357, 27.1427, 56.2021** is the 20% darker color. If you saturate the color by 10%, you get **43.2456, 48.2598, 99.9653**, and if you desaturate by 10%, it is **56.7156, 62.8521, 102.0720**.

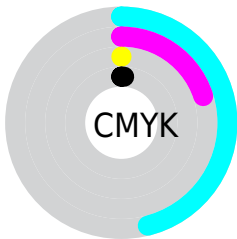
Distribution



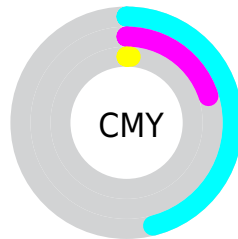
- Red (54%)
- Green (80%)
- Blue (99%)



- Red (54%)
- Yellow (70%)
- Blue (99%)



- Cyan (46%)
- Magenta (20%)
- Yellow (0%)
- Black (1%)



- Cyan (46%)
- Magenta (20%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.4021, 55.1221, 100.9644 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 49.4021, 55.1221, 100.9644 by changing the saturation by 10% instead.

■ 49.4021, 55.1221,
100.9644

■ 49.4021, 55.1221,
100.9644

374.8139,
406.3746, 584.5533

■ 35.1544, 39.4995,
76.4848

■ 88.4855, 97.7198,
164.5453

■ 23.9489, 27.1485,
56.3211

■ 114.0519,
125.4637, 204.4837

■ 15.4203, 17.6848,
40.0547

144.1220,
158.0169, 250.4121

■ 9.2031, 10.7239,
27.2671

179.0610,
195.7636, 302.7490

■ 4.9321, 5.8815,
17.5397

219.2343,
239.0883, 361.9131

■ 2.2418, 2.7732,
10.4540

265.0074,

■ 0.7646, 1.0145,

288.3755, 428.3228

5.5915

316.7454,
344.0095, 502.3967

■ 0.0000, 0.0000,
2.5336

■ 0.0000, 0.0000,
0.8579

■ 49.4021, 55.1221,
100.9644

■ 49.4021, 55.1221,
100.9644

■ 43.2456, 48.2598,
99.9653

■ 56.7156, 62.8521,
102.0720

■ 38.1681, 42.2159,
99.0664

■ 65.2466, 71.4830,
103.2883

■ 34.0895, 36.9449,
98.2639

■ 75.0576, 81.0530,
104.6184

■ 30.9146, 32.3916,
97.5524

■ 86.2047, 91.5964,
106.0660

■ 28.5263, 28.4897,
96.9251

94.7298, 99.8719,
107.2140

■ 27.6955, 27.0232,
96.6858

Harmonies

Analogous

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



44.2619, 55.1221, 88.8501



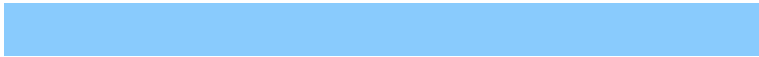
49.4021, 55.1221, 100.9644



55.7729, 55.1221, 100.6800

Triad

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



49.4021, 55.1221, 100.9644



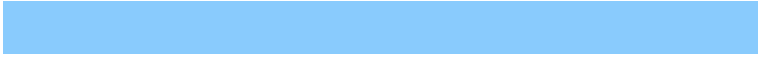
65.1364, 55.1221, 51.0273



44.0906, 55.1221, 38.6235

Complementary

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



49.4021, 55.1221, 100.9644



62.7952, 58.2312, 31.5989

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.



49.1504, 55.1221, 32.1107



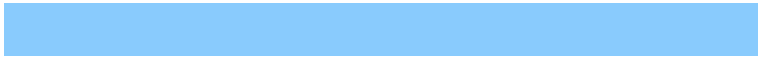
49.4021, 55.1221, 100.9644



61.4611, 55.1221, 38.2151

Square

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



49.4021, 55.1221, 100.9644



65.2177, 55.1221, 69.1796



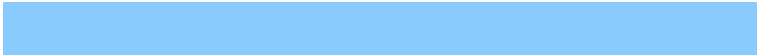
55.5000, 55.1221, 31.9782



41.3686, 55.1221, 51.7043

Rectangle

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



49.4021, 55.1221, 100.9644



59.8806, 55.1221, 93.3995



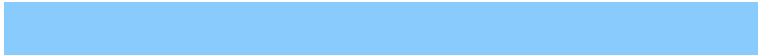
55.5000, 55.1221, 31.9782



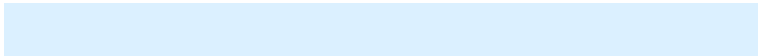
45.5552, 55.1221, 35.7222

Sweetspot

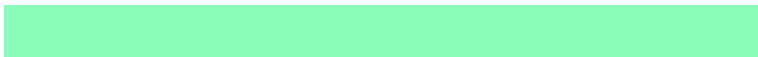
The Sweet Spot groups the original color and five complimentary colors.



49.4039, 55.1242, 100.9657



78.3998, 84.4187, 106.7701



54.2356, 79.0872, 58.4925



16.2835, 17.5928, 22.7875



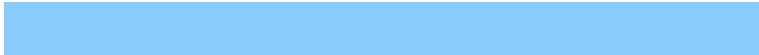
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



49.4039, 55.1242, 100.9657



44.5013, 49.6758, 101.8507



38.4299, 33.1762, 97.3077



17.8609, 19.0934, 22.9940



14.8805, 14.6705, 51.4820



1.5574, 1.6456, 5.0488

Inverse Universe

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



60.2348, 43.0876, 61.6440



57.1415, 37.3842, 55.5663



77.1751, 86.9910, 36.3923



18.4424, 18.1603, 20.9470



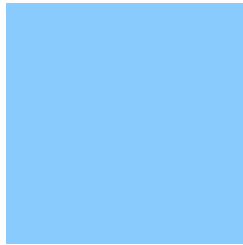
24.2992, 12.2090, 15.4918



2.4207, 1.2107, 1.7970

Previews

White Background



This preview shows how the XYZ color 49.4021, 55.1221, 100.9644 looks on a white background.

Color Contrast Check

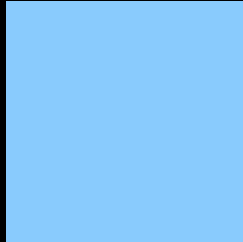
Large Text (above 18pt) WCAG AA × Fail

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 49.4021, 55.1221, 100.9644 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

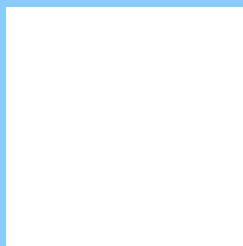
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.4021, 55.1221, 100.9644

Background



This preview shows how black text looks on a background with the XYZ color 49.4021, 55.1221, 100.9644.



This preview shows how white text looks on a background with the XYZ color 49.4021, 55.1221,

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

49.4021, 55.1221, 100.9644

Protanopia

54.9959, 54.7388, 94.8558

Deuteranopia

56.1910, 54.8644, 102.2360



Tritanopia

45.1997, 55.2151, 79.5095

Trichromacy



Original Color

49.4021, 55.1221, 100.9644

Protanomaly

52.7910, 54.8790, 97.4329

Deuteranomaly

53.3552, 54.7426, 101.5202

Tritanomaly

46.5824, 55.0463, 86.7671

Monochromacy



Original Color

49.4021, 55.1221, 100.9644

Achromatopsia

48.3692, 50.8881, 55.4172

Achromatomaly

47.7530, 51.8831, 69.7849

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.4021, 55.1221, 100.9644 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(137, 203, 253)` looks like.

```
.text, #text, p{  
    color:rgb(137, 203, 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(137, 203, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 203, 253) }
```

Border

The CSS property to change the border of an element to XYZ 49.4021, 55.1221, 100.9644 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(137, 203, 253) }
```


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

```
.border{ border-color:rgb(137, 203, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 203, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 203, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 203, 253);  
box-shadow:4px 4px 4px 4px rgb(137, 203,  
253) }
```

Background

The CSS property to change the background color of an element to XYZ 49.4021, 55.1221, 100.9644 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 203, 253) }
```

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

```
.background{ background-color: rgb(137,  
203, 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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