

Converting Colors

XYZ(50.3516, 55.7057,
102.7062)

Have a look what the booklet for
XYZ(50.3516, 55.7057, 102.7062)
contains.

XYZ(50.2212, 55.5073, 102.6748)	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(50.2212, 55.5073,
102.6748)**

Conversions

Conversions Part 1

Format	Color
Hex	8CCBFF
RGB	140, 203, 255
RGB Percent	55%, 80%, 100%
CMY	0.4510, 0.2039, 0.0000
CMYK	0.45, 0.20, 0.00, 0.00
HSL	207°, 100%, 77%
HSV	207°, 45%, 100%
XYZ	50.2212, 55.5073, 102.6748
YIQ	190.0910, -54.2400, 2.8160

Conversions

Conversions Part 2

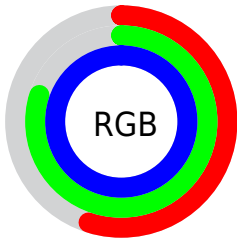
Format	Color
R_{YB}	140, 181, 255
Decimal	9227263
CIE _{Lab}	79.33, -6.69, -31.76
CIE _{LCh}	79, 32.456, 258.096
Yxy	55.5073, 0.2410, 0.2663
Android (android.graphics.Color)	4287417343 (0xFF8CCBFF)
YUV	190.0910, 32.0001, -43.9298
Hunter-Lab	74.5032, -10.0572, -29.5568

Details

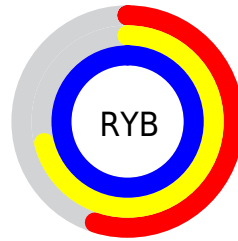
The XYZ color **50.2212, 55.5073, 102.6748** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **64.8242, 60.8539, 33.1425**, and the grayscale version is **48.8414, 51.3850, 55.9582**.

A 20% lighter version of the original color is **77.0987, 90.7458, 108.0599**, and **24.4202, 27.3659, 57.4212** is the 20% darker color. If you saturate the color by 10%, you get **43.7895, 48.2996, 101.6225**, and if you desaturate by 10%, it is **57.8542, 63.6373, 103.8417**.

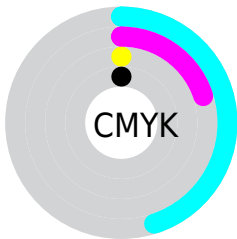
Distribution



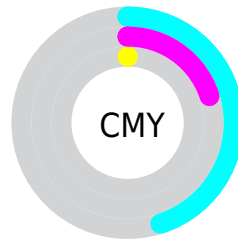
- Red (55%)
- Green (80%)
- Blue (100%)



- Red (55%)
- Yellow (71%)
- Blue (100%)



- Cyan (45%)
- Magenta (20%)
- Yellow (0%)
- Black (0%)



- Cyan (45%)
- Magenta (20%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.2212, 55.5073, 102.6748 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 50.2212, 55.5073, 102.6748 by changing the saturation by 10% instead.

■ 50.2212, 55.5073,
102.6748

■ 50.2212, 55.5073,
102.6748

377.9680,
407.8321, 590.0545

■ 35.8077, 39.8080,
77.9070

■ 89.6924, 98.2838,
166.9120

■ 24.4551, 27.3889,
57.4816

■ 115.4808,
126.1299, 207.2184

■ 15.7981, 17.8655,
40.9801

145.7916,
158.7937, 253.5414

■ 9.4714, 10.8535,
27.9839

180.9900,
196.6595, 306.2996

■ 5.1095, 5.9684,
18.0746

221.4415,
240.1119, 365.9114

■ 2.3470, 2.8259,
10.8336

267.5115,

■ 0.8186, 1.0415,

289.5352, 432.7955

5.8423

319.5652,
345.3138, 507.3703

■ 0.0000, 0.0000,
2.6822

■ 0.0000, 0.0000,
0.9344

■ 50.2212, 55.5073,
102.6748

■ 50.2212, 55.5073,
102.6748

■ 43.7895, 48.2996,
101.6225

■ 57.8542, 63.6373,
103.8417

■ 38.4800, 41.9635,
100.6794

■ 66.7510, 72.7245,
105.1268

■ 34.2112, 36.4512,
99.8404

■ 76.9750, 82.8090,
106.5345

■ 30.8866, 31.7062,
99.0998

■ 88.5840, 93.9265,
108.0685

■ 28.3880, 27.6603,
98.4505

95.0500, 100.0000,
108.9000

■ 27.3839, 25.8878,
98.1613

Harmonies

Analogous

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



44.8415, 55.5073, 91.1921



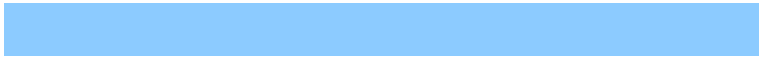
50.2212, 55.5073, 102.6748



56.7370, 55.5073, 101.2563

Triad

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



50.2212, 55.5073, 102.6748



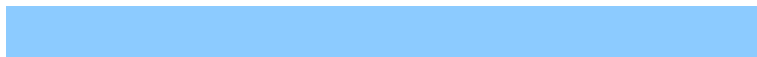
65.5552, 55.5073, 49.9856



43.9901, 55.5073, 39.5412

Complementary

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



50.2212, 55.5073, 102.6748



64.8242, 60.8539, 33.1425

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.



48.9695, 55.5073, 32.3946



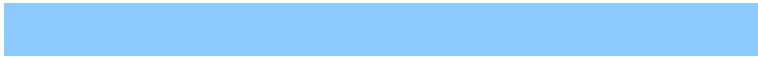
50.2212, 55.5073, 102.6748



61.5555, 55.5073, 37.5159

Square

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



50.2212, 55.5073, 102.6748



65.9600, 55.5073, 68.1278



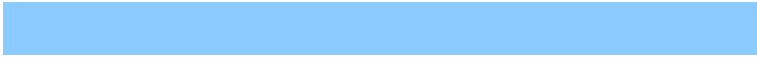
55.3789, 55.5073, 31.7386



41.4468, 55.5073, 53.3498

Rectangle

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



50.2212, 55.5073, 102.6748



60.8529, 55.5073, 93.2186



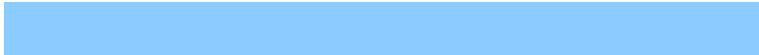
55.3789, 55.5073, 31.7386



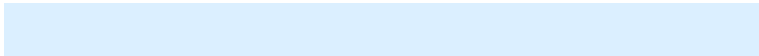
45.4148, 55.5073, 36.4141

Sweetspot

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



50.2228, 55.5093, 102.6751



78.1786, 83.9763, 106.6963



56.0632, 80.8908, 62.3845



16.2296, 17.4850, 22.7695



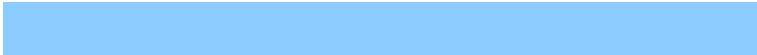
0.0000, 0.0000, 0.0000



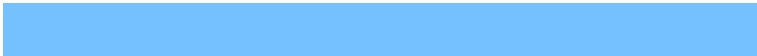
20.3446, 21.4041, 23.3091

Same Dimension

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



50.2228, 55.5093, 102.6751



44.4382, 49.0462, 101.7325



39.1074, 33.2783, 98.9699



17.8279, 19.0273, 22.9830



14.4600, 13.8295, 51.3418



1.5171, 1.5649, 5.0354

Inverse Universe

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



61.3988, 44.3297, 61.8223



57.2326, 37.8911, 54.5953



79.9271, 91.0598, 38.1768



18.4258, 18.1536, 20.8592



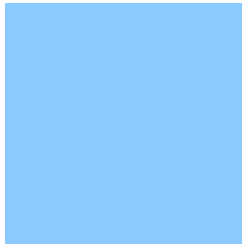
24.0869, 12.1241, 14.3741



2.4004, 1.2025, 1.6898

Previews

White Background



This preview shows how the XYZ color 50.2212, 55.5073, 102.6748 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 50.2212, 55.5073, 102.6748 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

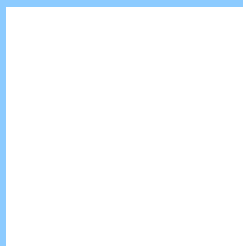
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 50.2212, 55.5073, 102.6748

Background



This preview shows how black text looks on a background with the XYZ color 50.2212, 55.5073, 102.6748.



This preview shows how white text looks on a background with the XYZ color 50.2212, 55.5073,

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

50.2212, 55.5073, 102.6748

Protanopia

55.5265, 55.3060, 96.5555

Deuteranopia

56.4114, 55.3050, 102.3095



Tritanopia

45.5066, 55.3733, 79.5238

Trichromacy



Original Color

50.2212, 55.5073, 102.6748

Protanomaly

53.3152, 55.1130, 99.0947

Deuteranomaly

53.9526, 55.3680, 102.4512

Tritanomaly

47.0431, 55.2671, 87.5451

Monochromacy



Original Color

50.2212, 55.5073, 102.6748

Achromatopsia

48.9429, 51.4918, 56.0745

Achromatomaly

48.6660, 52.6559, 71.2170

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.2212, 55.5073, 102.6748 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, 203, 255)` looks like.

```
.text, #text, p{  
    color:rgb(140, 203, 255)  
}
```

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, 203, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 203, 255) }
```

Border

The CSS property to change the border of an element to XYZ 50.2212, 55.5073, 102.6748 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, 203, 255) }
```


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

```
.border{ border-color:rgb(140, 203, 255) }
```

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

Here you see how a box with a 4 pixel rgb(140, 203, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 203, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 203, 255);  
box-shadow:4px 4px 4px 4px rgb(140, 203,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 50.2212, 55.5073, 102.6748 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 203, 255) }
```

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

```
.background{ background-color: rgb(140,  
203, 255) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor