

Converting Colors

XYZ(48.0627, 54.0172,
138.2510)

Have a look what the booklet for
XYZ(48.0627, 54.0172, 138.2510)
contains.

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Color

**XYZ(41.2184, 51.2180,
102.3214)**

Conversions

Conversions Part 1

Format	Color
Hex	37CCFF
RGB	55, 204, 255
RGB Percent	22%, 80%, 100%
CMY	0.7843, 0.2000, 0.0000
CMYK	0.78, 0.20, 0.00, 0.00
HSL	195°, 100%, 61%
HSV	195°, 78%, 100%
XYZ	41.2184, 51.2180, 102.3214
YIQ	165.2630, -105.1750, -15.7270

Conversions

Conversions Part 2

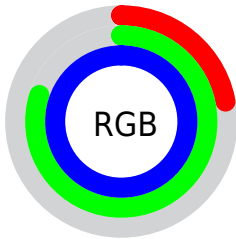
Format	Color
R _{YB}	55, 140, 255
Decimal	3656959
CIE _{Lab}	76.81, -21.59, -35.88
CIE _{LCh}	77, 41.873, 238.968
Yxy	51.2180, 0.2116, 0.2630
Android (android.graphics.Color)	4281847039 (0xFF37CCFF)
YUV	165.2630, 44.2403, -96.7007
Hunter-Lab	71.5668, -22.4359, -34.6722

Details

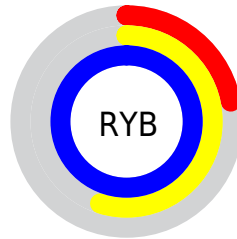
The XYZ color **41.2184, 51.2180, 102.3214** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light washed cyan. A complement of this color would be **47.0854, 31.8468, 7.2818**, and the grayscale version is **35.7237, 37.5841, 40.9291**.

A 20% lighter version of the original color is **63.1701, 83.5653, 107.4080**, and **21.0994, 25.8899, 57.3113** is the 20% darker color. If you saturate the color by 10%, you get **38.6514, 47.6488, 101.7677**, and if you desaturate by 10%, it is **44.5736, 55.2912, 102.9307**.

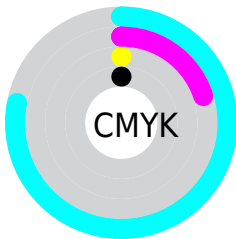
Distribution



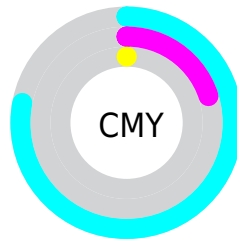
- Red (22%)
- Green (80%)
- Blue (100%)



- Red (22%)
- Yellow (55%)
- Blue (100%)



- Cyan (78%)
- Magenta (20%)
- Yellow (0%)
- Black (0%)



- Cyan (78%)
- Magenta (20%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.2184, 51.2180, 102.3214 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 41.2184, 51.2180, 102.3214 by changing the saturation by 10% instead.

■ 41.2184, 51.2180,
102.3214

■ 41.2184, 51.2180,
102.3214

342.2796,
391.4102, 588.9201

■ 28.6782, 36.3821,
77.6130

■ 76.2879, 91.9769,
166.4233

■ 18.9806, 24.7295,
57.2416

■ 99.5480, 118.6688,
206.6539

■ 11.7602, 15.8756,
40.7886

■ 127.1120,
150.0814, 252.8956

■ 6.6516, 9.4362,
27.8355

■ 159.3454,
186.5992, 305.5670

■ 3.2896, 5.0268,
17.9637

196.6135,
228.6066, 365.0866

■ 1.3087, 2.2630,
10.7548

239.2817,

■ 0.1897, 0.7540,

276.4880, 431.8729

5.7901

287.7153,
330.6277, 506.3446

■ 0.0000, 0.0000,
2.6511

■ 0.0000, 0.0000,
0.9187

■ 41.2184, 51.2180,
102.3214

■ 41.2184, 51.2180,
102.3214

■ 38.6514, 47.6488,
101.7677

■ 44.5736, 55.2912,
102.9307

■ 36.7305, 44.5064,
101.2624

■ 48.8107, 59.9150,
103.5999

■ 36.4577, 44.0353,
101.1859

■ 54.0146, 65.1353,
104.3332

■ 60.2583, 70.9908,
105.1344

■ 67.6078, 77.5166,
106.0066

■ 76.1232, 84.7447,
106.9530

■ 85.8601, 92.7048,
107.9763

■ 95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



36.4946, 51.2180, 79.7718



41.2184, 51.2180, 102.3214



48.4064, 51.2180, 111.9907

Triad

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



41.2184, 51.2180, 102.3214



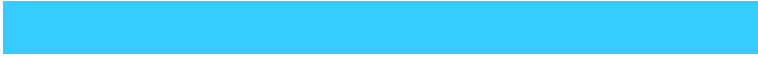
65.6204, 51.2180, 56.5597



41.6466, 51.2180, 25.5654

Complementary

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



41.2184, 51.2180, 102.3214



47.0854, 31.8468, 7.2818

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.



48.9569, 51.2180, 22.4491



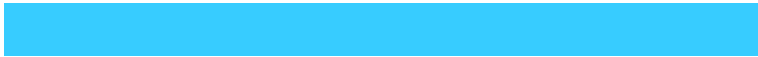
41.2184, 51.2180, 102.3214



63.3172, 51.2180, 37.1381

Square

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



41.2184, 51.2180, 102.3214



62.9898, 51.2180, 81.5177



56.9944, 51.2180, 26.0369



36.7222, 51.2180, 36.1066

Rectangle

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



41.2184, 51.2180, 102.3214



53.8209, 51.2180, 108.2603



56.9944, 51.2180, 26.0369



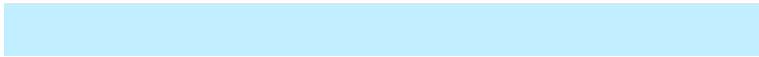
43.8795, 51.2180, 23.7662

Sweetspot

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



41.2200, 51.2197, 102.3216



71.2287, 80.6266, 106.4161



39.8869, 73.3529, 25.4241



14.6180, 16.7191, 22.7066



0.0000, 0.0000, 0.0000



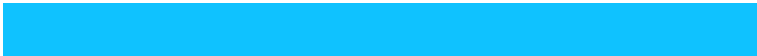
20.3446, 21.4041, 23.3091

Same Dimension

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



41.2200, 51.2197, 102.3216



37.5159, 45.8520, 101.4808



24.6792, 18.1383, 96.8080



18.1397, 19.6510, 23.0869



19.1761, 23.2617, 52.9139



1.9547, 2.4400, 5.1812

Inverse Universe

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



53.5064, 28.3537, 59.7812



51.1386, 25.4996, 53.1919



63.7623, 65.2006, 12.8408



18.5832, 18.2166, 21.6880



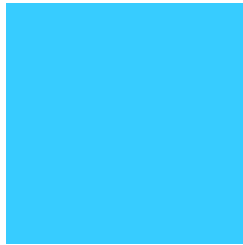
26.4674, 13.0763, 26.9095



2.6212, 1.2909, 2.8528

Previews

White Background



This preview shows how the XYZ color 41.2184, 51.2180, 102.3214 looks on a white background.

Color Contrast Check

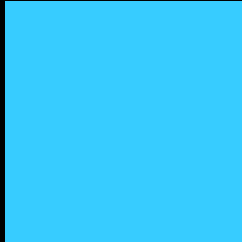
Large Text (above 18pt) WCAG AA × Fail

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 41.2184, 51.2180, 102.3214 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

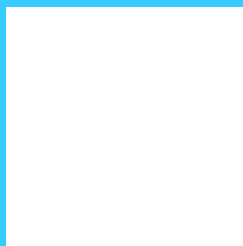
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 41.2184, 51.2180, 102.3214

Background



This preview shows how black text looks on a background with the XYZ color 41.2184, 51.2180, 102.3214.

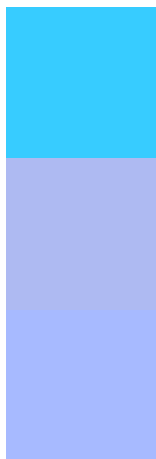


This preview shows how white text looks on a background with the XYZ color 41.2184, 51.2180,

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

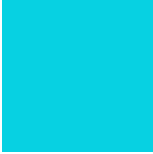
41.2184, 51.2180, 102.3214

Protanopia

51.0415, 50.5273, 91.0670

Deuteranopia

51.5453, 50.5533, 101.6488



Tritanopia

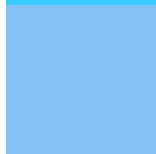
36.6156, 51.1371, 79.8921

Trichromacy



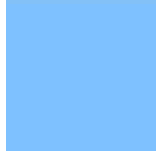
Original Color

41.2184, 51.2180, 102.3214



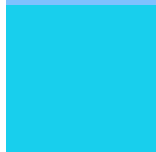
Protanomaly

45.2185, 49.6806, 95.2017



Deuteranomaly

45.7241, 49.7955, 101.8093



Tritanomaly

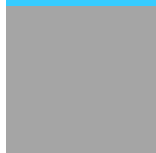
37.9756, 50.9343, 87.9505

Monochromacy



Original Color

41.2184, 51.2180, 102.3214



Achromatopsia

35.7637, 37.6262, 40.9749



Achromatomaly

34.7706, 40.6774, 59.4450

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.2184, 51.2180, 102.3214 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(55, 204, 255)` looks like.

```
.text, #text, p{  
    color:rgb(55, 204, 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(55, 204, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(55, 204, 255) }
```

Border

The CSS property to change the border of an element to XYZ 41.2184, 51.2180, 102.3214 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(55, 204, 255) }
```


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

```
.border{ border-color:rgb(55, 204, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(55, 204, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(55, 204, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(55, 204, 255);  
box-shadow:4px 4px 4px 4px rgb(55, 204,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 41.2184, 51.2180, 102.3214 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(55, 204, 255) }
```

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

```
.background{ background-color: rgb(55, 204,  
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](#).

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