

Converting Colors

XYZ(49.9256, 68.3841,
105.1758)

Have a look what the booklet for
XYZ(49.9256, 68.3841, 105.1758)
contains.

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Color

**XYZ(49.7904, 68.1104,
105.1301)**

Conversions

Conversions Part 1

Format	Color
Hex	3AECFF
RGB	58, 236, 255
RGB Percent	23%, 93%, 100%
CMY	0.7725, 0.0745, 0.0000
CMYK	0.77, 0.07, 0.00, 0.00
HSL	186°, 100%, 61%
HSV	186°, 77%, 100%
XYZ	49.7904, 68.1104, 105.1301
YIQ	184.9440, -112.1870, -31.8270

Conversions

Conversions Part 2

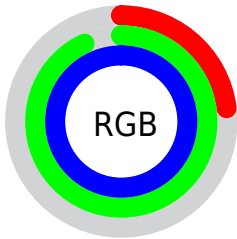
Format	Color
RYB	58, 152, 255
Decimal	3861759
CIELab	86.06, -36.86, -21.71
CIELCh	86, 42.775, 210.495
Yxy	68.1104, 0.2232, 0.3054
Android (android.graphics.Color)	4282051839 (0xFF3AECFF)
YUV	184.9440, 34.5376, -111.3299
Hunter-Lab	82.5290, -36.7354, -17.7566

Details

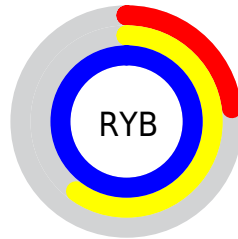
The XYZ color **49.7904, 68.1104, 105.1301** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light washed cyan. A complement of this color would be **44.6590, 26.8754, 6.8390**, and the grayscale version is **45.9452, 48.3380, 52.6401**.

A 20% lighter version of the original color is **63.9633, 83.9742, 107.4452**, and **26.5143, 36.7197, 59.1162** is the 20% darker color. If you saturate the color by 10%, you get **47.9550, 66.1217, 104.8430**, and if you desaturate by 10%, it is **52.3724, 70.5013, 105.4555**.

Distribution



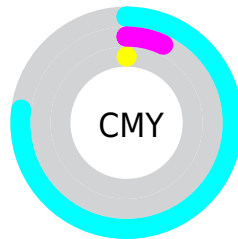
- Red (23%)
- Green (93%)
- Blue (100%)



- Red (23%)
- Yellow (60%)
- Blue (100%)



- Cyan (77%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)





- Cyan (77%)
- Magenta (7%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.7904, 68.1104, 105.1301 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 49.7904, 68.1104, 105.1301 by changing the saturation by 10% instead.


 49.7904, 68.1104,
105.1301


 49.7904, 68.1104,
105.1301


376.3113,
453.8871, 597.9046


 35.4640, 49.9876,
79.9511


 89.0579, 116.5101,
170.3026


 24.1887, 35.4035,
59.1522


 114.7298,
147.5557, 211.1331

 15.5992, 23.9739,
42.3148


 144.9141,
183.6777, 258.0179

 9.3300, 15.3142,
29.0205

 179.9764,
225.2604, 311.3755

 5.0159, 9.0402,
18.8506

220.2819,
272.6883, 371.6244

 2.2914, 4.7674,
11.3867

266.1959,

 0.7903, 2.1115,

326.3458, 439.1832

6.2101

318.0839,
386.6173, 514.4704

■ 0.0000, 0.6711,
2.9024

■ 0.0000, 0.0000,
1.0450

■ 49.7904, 68.1104,
105.1301

■ 49.7904, 68.1104,
105.1301

■ 47.9550, 66.1217,
104.8430

■ 52.3724, 70.5013,
105.4555

■ 46.7375, 64.4646,
104.5873

■ 55.7909, 73.3365,
105.8226

■ 46.4605, 64.0410,
104.5202

■ 60.1289, 76.6603,
106.2355

■ 65.4578, 80.5096,
106.6977

71.8421, 84.9177,
107.2120

79.3407, 89.9149,
107.7814

88.0081, 95.5296,
108.4083

95.0500, 100.0000,
108.9000

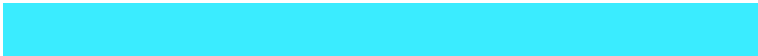
Harmonies

Analogous

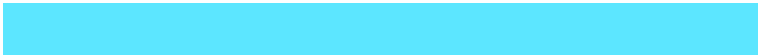
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



47.6302, 68.1104, 74.6290



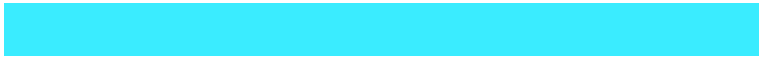
49.7904, 68.1104, 105.1301



55.8749, 68.1104, 131.8890

Triad

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



49.7904, 68.1104, 105.1301



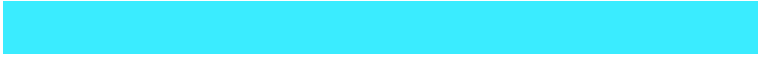
82.6018, 68.1104, 104.1119



64.5738, 68.1104, 32.1611

Complementary

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



49.7904, 68.1104, 105.1301



44.6590, 26.8754, 6.8390

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.



74.4896, 68.1104, 36.3479



49.7904, 68.1104, 105.1301



85.5156, 68.1104, 73.6943

Square

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



49.7904, 68.1104, 105.1301



74.8004, 68.1104, 131.2042



82.4100, 68.1104, 49.9622



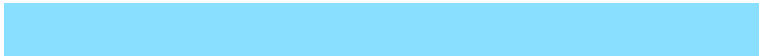
55.6191, 68.1104, 36.6392

Rectangle

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



49.7904, 68.1104, 105.1301



61.6684, 68.1104, 141.3102



82.4100, 68.1104, 49.9622



67.9056, 68.1104, 32.5871

Sweetspot

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



49.7923, 68.1128, 105.1305



74.8882, 86.9669, 107.4470



38.7566, 72.9203, 18.5876



15.4719, 18.2400, 22.9552



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.



49.7923, 68.1128, 105.1305



47.1897, 65.1333, 104.6926



29.1877, 26.9036, 98.2623



18.3963, 20.1642, 23.1724



24.3379, 33.5854, 54.6345



2.4114, 3.3535, 5.3335

Inverse Universe

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



57.8947, 30.3442, 82.1649



56.0378, 27.5213, 78.7990



56.9331, 51.4236, 10.9304



18.7127, 18.2684, 22.3702



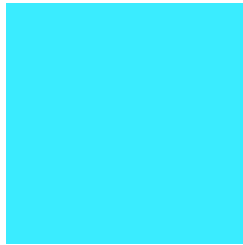
29.0729, 14.1184, 40.6296



2.8518, 1.3831, 4.0668

Previews

White Background



This preview shows how the XYZ color 49.7904, 68.1104, 105.1301 looks on a white background.

Color Contrast Check

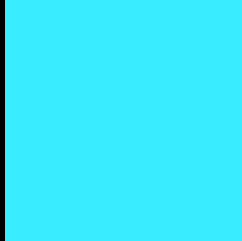
Large Text (above 18pt) WCAG AA × Fail

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 49.7904, 68.1104, 105.1301 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 49.7904, 68.1104, 105.1301

Background



This preview shows how black text looks on a background with the XYZ color 49.7904, 68.1104, 105.1301.

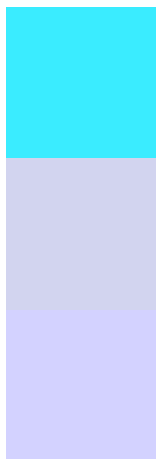


This preview shows how white text looks on a background with the XYZ color 49.7904, 68.1104,

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

49.7904, 68.1104, 105.1301

Protanopia

65.7018, 67.0206, 91.1348

Deuteranopia

67.9606, 67.1621, 103.9894



Tritanopia

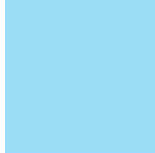
49.9089, 68.1716, 105.1357

Trichromacy



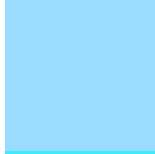
Original Color

49.7904, 68.1104, 105.1301



Protanomaly

55.8555, 65.2740, 96.0415



Deuteranomaly

56.8991, 64.8516, 104.1265



Tritanomaly

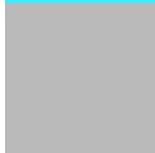
49.8491, 68.1407, 105.1329

Monochromacy



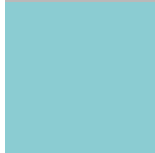
Original Color

49.7904, 68.1104, 105.1301



Achromatopsia

46.1135, 48.5150, 52.8328



Achromatomaly

43.8732, 53.3278, 68.9537

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.7904, 68.1104, 105.1301 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(58, 236, 255)` looks like.

```
.text, #text, p{  
    color:rgb(58, 236, 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(58, 236, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 236, 255) }
```

Border

The CSS property to change the border of an element to XYZ 49.7904, 68.1104, 105.1301 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(58, 236, 255) }
```


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

```
.border{ border-color:rgb(58, 236, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(58, 236, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 236, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 236, 255);  
box-shadow:4px 4px 4px 4px rgb(58, 236,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 49.7904, 68.1104, 105.1301 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 236, 255) }
```

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

```
.background{ background-color: rgb(58, 236,  
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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