

Converting Colors

XYZ(45.2002, 49.4578, 90.3376)

Have a look what the booklet for
XYZ(45.2002, 49.4578, 90.3376)
contains.

XYZ(45.2081, 49.4534, 90.3818)	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(45.2081, 49.4534,
90.3818)**

Conversions

Conversions Part 1

Format	Color
Hex	8AC0F1
RGB	138, 192, 241
RGB Percent	54%, 75%, 95%
CMY	0.4588, 0.2470, 0.0549
CMYK	0.43, 0.20, 0.00, 0.05
HSL	209°, 79%, 74%
HSV	209°, 43%, 95%
XYZ	45.2081, 49.4534, 90.3818
YIQ	181.4400, -47.9130, 3.7910

Conversions

Conversions Part 2

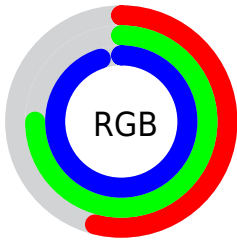
Format	Color
RYB	138, 173, 241
Decimal	9093361
CIELab	75.73, -5.10, -29.80
CIELCh	76, 30.236, 260.287
Yxy	49.4534, 0.2443, 0.2673
Android (android.graphics.Color)	4287283441 (0xFF8AC0F1)
YUV	181.4400, 29.3631, -38.0969
Hunter-Lab	70.3231, -8.3145, -26.9755

Details

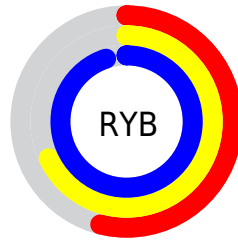
The XYZ color **45.2081, 49.4534, 90.3818** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **58.6348, 56.0780, 31.7804**, and the grayscale version is **44.0251, 46.3178, 50.4401**.

A 20% lighter version of the original color is **74.1231, 85.9569, 107.2924**, and **21.4693, 23.7619, 49.3539** is the 20% darker color. If you saturate the color by 10%, you get **39.2345, 42.7821, 89.4099**, and if you desaturate by 10%, it is **52.2657, 56.9767, 91.4629**.

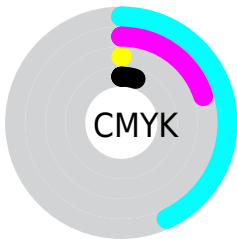
Distribution



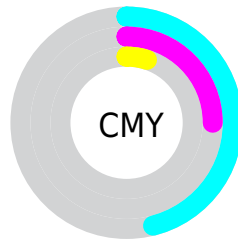
- Red (54%)
- Green (75%)
- Blue (95%)



- Red (54%)
- Yellow (68%)
- Blue (95%)



- Cyan (43%)
- Magenta (20%)
- Yellow (0%)
- Black (5%)



- Cyan (46%)
- Magenta (25%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.2081, 49.4534, 90.3818 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 45.2081, 49.4534, 90.3818 by changing the saturation by 10% instead.

■ 45.2081, 49.4534,
90.3818

■ 45.2081, 49.4534,
90.3818

358.3852,
384.5245, 549.8742

■ 31.8233, 34.9793,
67.7219

■ 82.2677, 89.3645,
149.8088

■ 21.3815, 23.6469,
49.2062

■ 106.6733,
115.5702, 187.4129

■ 13.5172, 15.0719,
34.4163

135.4833,
146.4553, 230.8354

■ 7.8651, 8.8699,
22.9337

169.0629,
182.4041, 280.4950

■ 4.0598, 4.6564,
14.3397

207.7775,
223.8011, 336.8101

■ 1.7360, 2.0471,
8.2159

251.9926,

■ 0.4787, 0.6346,

271.0305, 400.1993

4.1436

302.0734,
324.4769, 471.0812

■ 0.0000, 0.0000,
1.7045

■ 0.0000, 0.0000,
0.3638

■ 45.2081, 49.4534,
90.3818

■ 45.2081, 49.4534,
90.3818

■ 39.2345, 42.7821,
89.4099

■ 52.2657, 56.9767,
91.4629

■ 34.2764, 36.9179,
88.5393

■ 60.4604, 65.3827,
92.6535

■ 30.2643, 31.8191,
87.7666

■ 69.8475, 74.7070,
93.9585

■ 27.1170, 27.4367,
87.0866

■ 80.4771, 84.9816,
95.3815

■ 24.7367, 23.7130,
86.4933

■ 91.0947, 95.5655,
96.8648

■ 23.3831, 21.3624,
86.1109

■ 92.8774, 99.1309,
97.4590

Harmonies

Analogous

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



40.4453, 49.4534, 81.2674



45.2081, 49.4534, 90.3818



50.8427, 49.4534, 88.3173

Triad

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



45.2081, 49.4534, 90.3818



57.8610, 49.4534, 43.8329



39.1874, 49.4534, 36.4266

Complementary

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



45.2081, 49.4534, 90.3818



58.6348, 56.0780, 31.7804

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.



43.3635, 49.4534, 29.7636



45.2081, 49.4534, 90.3818



54.2359, 49.4534, 33.4125

Square

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



45.2081, 49.4534, 90.3818



58.4538, 49.4534, 59.2264



48.8468, 49.4534, 28.7825



37.1564, 49.4534, 48.8024

Rectangle

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



45.2081, 49.4534, 90.3818



54.3270, 49.4534, 81.0060



48.8468, 49.4534, 28.7825



40.3705, 49.4534, 33.5574

Sweetspot

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



45.2097, 49.4553, 90.3830



79.0621, 84.5935, 106.7689



50.8081, 71.8631, 57.6864



16.3932, 17.5861, 22.7804



0.0000, 0.0000, 0.0000



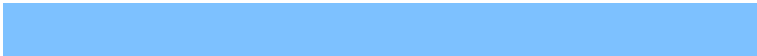
20.3446, 21.4041, 23.3091

Same Dimension

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



45.2097, 49.4553, 90.3830



45.5992, 49.7744, 101.8118



35.9490, 30.9339, 87.2961



15.5831, 16.6002, 20.1045



12.8162, 11.8566, 46.7409



1.1658, 1.1855, 3.9216

Inverse Universe

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



54.8800, 40.6853, 54.8315



58.2076, 39.7707, 55.1378



71.3127, 81.4339, 36.0064



16.1190, 15.8973, 18.1828



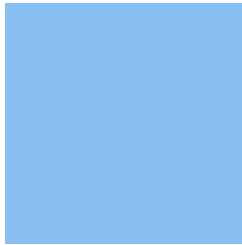
21.7946, 10.9903, 12.1010



1.8634, 0.9344, 1.2714

Previews

White Background



This preview shows how the XYZ color 45.2081, 49.4534, 90.3818 looks on a white background.

Color Contrast Check

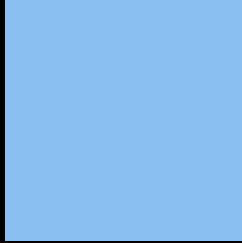
Large Text (above 18pt) WCAG AA × Fail

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 45.2081, 49.4534, 90.3818 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

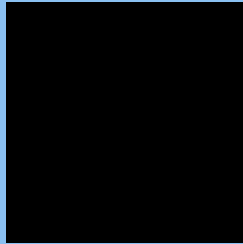
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 45.2081, 49.4534, 90.3818

Background



This preview shows how black text looks on a background with the XYZ color 45.2081, 49.4534, 90.3818.



This preview shows how white text looks on a background with the XYZ color 45.2081, 49.4534,

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

45.2081, 49.4534, 90.3818

Protanopia

49.3695, 49.1634, 85.4847

Deuteranopia

50.3447, 49.2223, 91.6414



Tritanopia

41.1824, 49.4824, 70.3313

Trichromacy



Original Color

45.2081, 49.4534, 90.3818

Protanomaly

47.5536, 49.1287, 87.0972

Deuteranomaly

48.0831, 49.0022, 90.9285

Tritanomaly

42.5073, 49.3445, 77.0961

Monochromacy



Original Color

45.2081, 49.4534, 90.3818

Achromatopsia

43.9204, 46.2077, 50.3202

Achromatomaly

43.6455, 47.0091, 63.2732

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.2081, 49.4534, 90.3818 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(138, 192, 241)` looks like.

```
.text, #text, p{  
    color:rgb(138, 192, 241)  
}
```

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(138, 192, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 192, 241) }
```

Border

The CSS property to change the border of an element to XYZ 45.2081, 49.4534, 90.3818 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(138, 192, 241) }
```


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

```
.border{ border-color:rgb(138, 192, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 192, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 192, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 192, 241);  
box-shadow:4px 4px 4px 4px rgb(138, 192,  
241) }
```

Background

The CSS property to change the background color of an element to XYZ 45.2081, 49.4534, 90.3818 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 192, 241) }
```

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

```
.background{ background-color: rgb(138,  
192, 241) }
```

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