

Converting Colors

XYZ(45.5636, 47.7709, 74.3756)

Have a look what the booklet for
XYZ(45.5636, 47.7709, 74.3756)
contains.

XYZ(45.5771, 47.7577, 74.5261)	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(45.5771, 47.7577,
74.5261)**

Conversions

Conversions Part 1

Format	Color
Hex	A4B9DC
RGB	164, 185, 220
RGB Percent	64%, 73%, 86%
CMY	0.3569, 0.2745, 0.1373
CMYK	0.25, 0.16, 0.00, 0.14
HSL	217°, 44%, 75%
HSV	217°, 25%, 86%
XYZ	45.5771, 47.7577, 74.5261
YIQ	182.7110, -23.7510, 6.4330

Conversions

Conversions Part 2

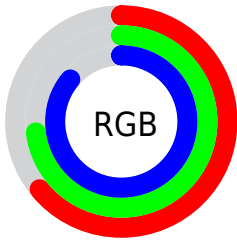
Format	Color
RYB	164, 179, 220
Decimal	10795484
CIELab	74.67, 0.53, -19.93
CIELCh	75, 19.933, 271.523
Yxy	47.7577, 0.2715, 0.2845
Android (android.graphics.Color)	4288985564 (0xFFA4B9DC)
YUV	182.7110, 18.3835, -16.4095
Hunter-Lab	69.1069, -3.2136, -15.5645

Details

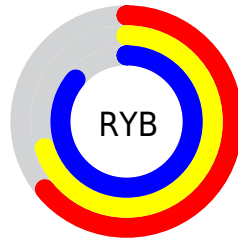
The XYZ color **45.5771, 47.7577, 74.5261** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **56.6402, 58.7434, 43.4768**, and the grayscale version is **44.7646, 47.0958, 51.2873**.

A 20% lighter version of the original color is **79.0205, 85.3462, 106.9164**, and **21.5983, 22.5986, 38.8209** is the 20% darker color. If you saturate the color by 10%, you get **38.6852, 40.1403, 73.4198**, and if you desaturate by 10%, it is **53.5356, 56.3402, 75.7640**.

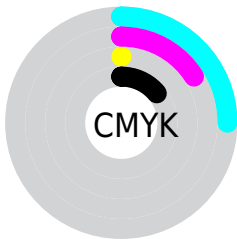
Distribution



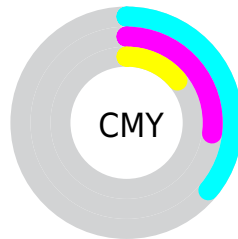
- Red (64%)
- Green (73%)
- Blue (86%)



- Red (64%)
- Yellow (70%)
- Blue (86%)



- Cyan (25%)
- Magenta (16%)
- Yellow (0%)
- Black (14%)



- Cyan (36%)
- Magenta (27%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.5771, 47.7577, 74.5261 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 45.5771, 47.7577, 74.5261 by changing the saturation by 10% instead.

■ 45.5771, 47.7577,
74.5261

■ 45.5771, 47.7577,
74.5261

359.8503,
377.8309, 495.4990

■ 32.1154, 33.6350,
54.7254

■ 82.8175, 86.8435,
127.3822

■ 21.6057, 22.6134,
38.7848

■ 107.3269,
112.5755, 161.2747

■ 13.6824, 14.3083,
26.2858

136.2497,
142.9460, 200.7015

■ 7.9803, 8.3354,
16.8099

169.9510,
178.3395, 246.0811

■ 4.1341, 4.3103,
9.9385

208.7965,
219.1404, 297.8321

■ 1.7783, 1.8486,
5.2531

253.1512,

■ 0.5045, 0.5172,

265.7329, 356.3731

2.3352

303.3807,
318.5017, 422.1226

■ 0.0000, 0.0000,
0.7508

■ 0.0000, 0.0000,
0.0000

■ 45.5771, 47.7577,
74.5261

■ 45.5771, 47.7577,
74.5261

■ 38.6852, 40.1403,
73.4198

■ 53.5356, 56.3402,
75.7640

■ 32.8070, 33.4456,
72.4374

■ 62.6011, 65.9165,
77.1346

■ 27.8919, 27.6365,
71.5752

■ 72.8177, 76.5210,
78.6430

■ 23.8824, 22.6706,
70.8280

■ 84.2252, 88.1848,
80.2931

■ 20.7148, 18.5015,
70.1903

■ 89.5214, 97.1534,
81.7451

■ 18.3154, 15.0770,
69.6557

■ 89.9184, 97.9474,
81.8774

■ 16.5958, 12.3362,
69.2173

■ 15.9739, 11.2784,
69.0460

Harmonies

Analogous

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



42.1605, 47.7577, 71.5172



45.5771, 47.7577, 74.5261



49.1213, 47.7577, 70.8654

Triad

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



45.5771, 47.7577, 74.5261



51.5738, 47.7577, 42.2781



39.5568, 47.7577, 43.0808

Complementary

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



45.5771, 47.7577, 74.5261



56.6402, 58.7434, 43.4768

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.



41.8569, 47.7577, 36.8205



45.5771, 47.7577, 74.5261



48.7850, 47.7577, 36.4021

Square

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



45.5771, 47.7577, 74.5261



52.6952, 47.7577, 51.4732



45.2079, 47.7577, 34.5428



38.7973, 47.7577, 52.5305

Rectangle

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



45.5771, 47.7577, 74.5261



51.0495, 47.7577, 65.3840



45.2079, 47.7577, 34.5428



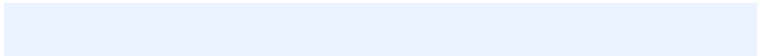
40.1692, 47.7577, 40.5797

Sweetspot

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



45.5786, 47.7596, 74.5272



84.0057, 88.4676, 107.2561



51.1589, 63.1818, 63.2493



17.5611, 18.4938, 22.8940



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.



45.5786, 47.7596, 74.5272



57.9172, 60.3924, 103.2121



42.8881, 40.3253, 73.2340



12.7368, 13.4133, 16.5699



9.4736, 6.8165, 40.5548



0.6949, 0.6040, 2.6544

Inverse Universe

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



51.5489, 45.2708, 51.9221



67.8470, 56.7277, 65.5088



59.8711, 68.0836, 45.1093



13.2570, 13.1319, 14.6146



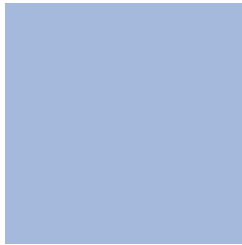
18.2771, 9.3119, 5.8395



1.2251, 0.6197, 0.5942

Previews

White Background



This preview shows how the XYZ color 45.5771, 47.7577, 74.5261 looks on a white background.

Color Contrast Check

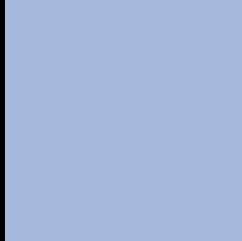
Large Text (above 18pt) WCAG AA × Fail

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 45.5771, 47.7577, 74.5261 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

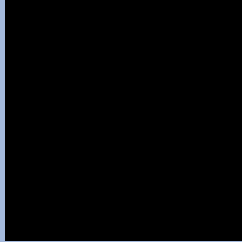
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 45.5771, 47.7577, 74.5261

Background



This preview shows how black text looks on a background with the XYZ color 45.5771, 47.7577, 74.5261.

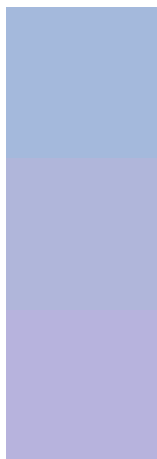


This preview shows how white text looks on a background with the XYZ color 45.5771, 47.7577,

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

45.5771, 47.7577, 74.5261

Protanopia

47.2873, 47.7480, 73.0536

Deuteranopia

48.6997, 47.5279, 75.0137



Tritanopia

43.4607, 47.8553, 63.4463

Trichromacy



Original Color

45.5771, 47.7577, 74.5261

Protanomaly

46.7329, 47.7521, 73.7718

Deuteranomaly

47.4795, 47.4983, 75.0723

Tritanomaly

44.1792, 47.8255, 67.2243

Monochromacy



Original Color

45.5771, 47.7577, 74.5261

Achromatopsia

45.0092, 47.3531, 51.5676

Achromatomaly

45.0088, 47.4966, 59.0201

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.5771, 47.7577, 74.5261 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(164, 185, 220)` looks like.

```
.text, #text, p{  
    color:rgb(164, 185, 220)  
}
```

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(164, 185, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 185, 220) }
```

Border

The CSS property to change the border of an element to XYZ 45.5771, 47.7577, 74.5261 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(164, 185, 220) }
```


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

```
.border{ border-color:rgb(164, 185, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 185, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 185, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 185, 220);  
box-shadow:4px 4px 4px 4px rgb(164, 185,  
220) }
```

Background

The CSS property to change the background color of an element to XYZ 45.5771, 47.7577, 74.5261 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 185, 220) }
```

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

```
.background{ background-color: rgb(164,  
185, 220) }
```

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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