

Converting Colors

XYZ(41.5785, 46.3288, 77.4610)

Have a look what the booklet for
XYZ(41.5785, 46.3288, 77.4610)
contains.

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Color

**XYZ(41.5414, 46.2408,
77.2569)**

Conversions

Conversions Part 1

Format	Color
Hex	89BBE0
RGB	137, 187, 224
RGB Percent	54%, 73%, 88%
CMY	0.4627, 0.2667, 0.1216
CMYK	0.39, 0.17, 0.00, 0.12
HSL	206°, 58%, 71%
HSV	206°, 39%, 88%
XYZ	41.5414, 46.2408, 77.2569
YIQ	176.2680, -41.6770, 0.9070

Conversions

Conversions Part 2

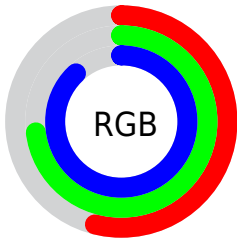
Format	Color
R _Y B	137, 169, 224
Decimal	9026528
CIE Lab	73.70, -7.20, -23.73
CIE LCh	74, 24.794, 253.124
Yxy	46.2408, 0.2517, 0.2802
Android (android.graphics.Color)	4287216608 (0xFF89BBE0)
YUV	176.2680, 23.5319, -34.4380
Hunter-Lab	68.0006, -9.9558, -19.7602

Details

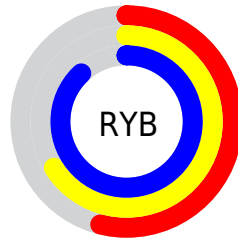
The XYZ color **41.5414, 46.2408, 77.2569** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **50.3929, 47.9266, 30.2632**, and the grayscale version is **41.3045, 43.4555, 47.3231**.

A 20% lighter version of the original color is **72.0929, 82.6586, 106.7628**, and **19.2538, 21.7538, 40.7202** is the 20% darker color. If you saturate the color by 10%, you get **36.2895, 40.6329, 76.4521**, and if you desaturate by 10%, it is **47.6926, 52.5133, 78.1442**.

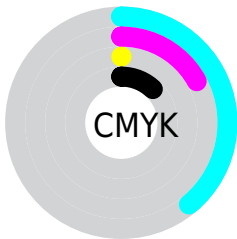
Distribution



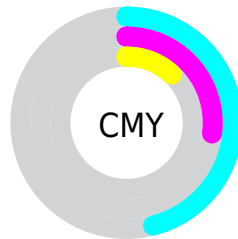
- Red (54%)
- Green (73%)
- Blue (88%)



- Red (54%)
- Yellow (66%)
- Blue (88%)



- Cyan (39%)
- Magenta (17%)
- Yellow (0%)
- Black (12%)



- Cyan (46%)
- Magenta (27%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.5414, 46.2408, 77.2569 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 41.5414, 46.2408, 77.2569 by changing the saturation by 10% instead.

■ 41.5414, 46.2408,
77.2569

■ 41.5414, 46.2408,
77.2569

343.6024,
371.7759, 505.1004

■ 28.9319, 32.4359,
56.9509

■ 76.7746, 84.5793,
131.2784

■ 19.1733, 21.6947,
40.5567

■ 100.1290,
109.8816, 165.8310

■ 11.9003, 13.6327,
27.6558

■ 127.7958,
139.7852, 205.9695

■ 6.7476, 7.8657,
17.8296

160.1403,
174.6744, 252.1125

■ 3.3497, 4.0091,
10.6595

197.5278,
214.9337, 304.6786

■ 1.3413, 1.6787,
5.7271

240.3238,

■ 0.2138, 0.4098,

260.9475, 364.0862

2.6138

288.8935,
313.1001, 430.7540

■ 0.0000, 0.0000,
0.8996

■ 0.0000, 0.0000,
0.0000

■ 41.5414, 46.2408,
77.2569

■ 41.5414, 46.2408,
77.2569

■ 36.2895, 40.6329,
76.4521

■ 47.6926, 52.5133,
78.1442

■ 31.8822, 35.6547,
75.7235

■ 54.7846, 59.4726,
79.1137

■ 28.2657, 31.2754,
75.0688

■ 62.8615, 67.1460,
80.1691

■ 25.3770, 27.4585,
74.4843

■ 71.9631, 75.5575,
81.3130

■ 23.1422, 24.1617,
73.9658

■ 82.1270, 84.7301,
82.5478

■ 21.4494, 21.3229,
73.5070

■ 87.0938, 91.4401,
83.5812

■ 21.2705, 21.0136,
73.4568

■ 90.0373, 97.3270,
84.5623

■ 90.4547, 98.1619,
84.7015

Harmonies

Analogous

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



38.0637, 46.2408, 68.7813



41.5414, 46.2408, 77.2569



45.8984, 46.2408, 77.8040

Triad

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



41.5414, 46.2408, 77.2569



52.7097, 46.2408, 45.0479



38.4204, 46.2408, 34.6620

Complementary

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



41.5414, 46.2408, 77.2569



50.3929, 47.9266, 30.2632

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.



42.0585, 46.2408, 30.2564



41.5414, 46.2408, 77.2569



50.4150, 46.2408, 35.5434

Square

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



41.5414, 46.2408, 77.2569



52.5481, 46.2408, 57.7101



46.4510, 46.2408, 30.5495



36.3459, 46.2408, 43.6409

Rectangle

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



41.5414, 46.2408, 77.2569



48.7346, 46.2408, 73.4725



46.4510, 46.2408, 30.5495



39.4902, 46.2408, 32.6697

Sweetspot

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



41.5429, 46.2426, 77.2580



80.6627, 86.6275, 107.0771



44.5405, 61.6575, 49.2171



16.9559, 18.2490, 22.8787



0.0000, 0.0000, 0.0000



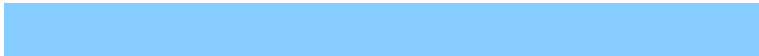
20.3446, 21.4041, 23.3091

Same Dimension

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



41.5429, 46.2426, 77.2580



49.6659, 55.5836, 102.7188



33.7836, 30.7241, 74.6716



13.6028, 14.5448, 17.4782



12.4971, 12.4638, 42.7954



0.9544, 1.0403, 2.9957

Inverse Universe

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



48.6570, 37.3279, 51.6560



60.8277, 42.9909, 62.2380



60.0053, 67.1514, 33.4673



14.0358, 13.8319, 15.9584



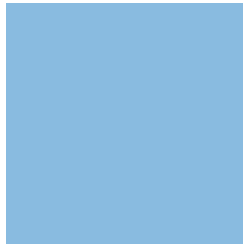
20.2482, 10.1663, 13.2385



1.4480, 0.7225, 1.1521

Previews

White Background



This preview shows how the XYZ color 41.5414, 46.2408, 77.2569 looks on a white background.

Color Contrast Check

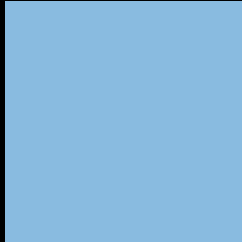
Large Text (above 18pt) WCAG AA × Fail

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 41.5414, 46.2408, 77.2569 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 41.5414, 46.2408, 77.2569

Background



This preview shows how black text looks on a background with the XYZ color 41.5414, 46.2408, 77.2569.



This preview shows how white text looks on a background with the XYZ color 41.5414, 46.2408,

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

41.5414, 46.2408, 77.2569

Protanopia

45.7882, 46.0728, 72.8093

Deuteranopia

46.9052, 45.9339, 78.3455



Tritanopia

38.9486, 46.1402, 64.6108

Trichromacy



Original Color

41.5414, 46.2408, 77.2569

Protanomaly

43.9443, 45.9941, 74.2718

Deuteranomaly

44.8124, 46.0611, 77.7630

Tritanomaly

39.9128, 46.2170, 69.1045

Monochromacy



Original Color

41.5414, 46.2408, 77.2569

Achromatopsia

41.2663, 43.4154, 47.2793

Achromatomaly

40.8472, 44.1742, 56.8257

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.5414, 46.2408, 77.2569 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(137, 187, 224)` looks like.

```
.text, #text, p{  
    color:rgb(137, 187, 224)  
}
```

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(137, 187, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 187, 224) }
```

Border

The CSS property to change the border of an element to XYZ 41.5414, 46.2408, 77.2569 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(137, 187, 224) }
```


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

```
.border{ border-color:rgb(137, 187, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 187, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 187, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 187, 224);  
box-shadow:4px 4px 4px 4px rgb(137, 187,  
224) }
```

Background

The CSS property to change the background color of an element to XYZ 41.5414, 46.2408, 77.2569 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 187, 224) }
```

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

```
.background{ background-color: rgb(137,  
187, 224) }
```

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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