

Converting Colors

XYZ(41.9509, 47.7729, 90.8396)

Have a look what the booklet for
XYZ(41.9509, 47.7729, 90.8396)
contains.

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Color

**XYZ(41.9469, 47.7549,
91.0112)**

Conversions

Conversions Part 1

Format	Color
Hex	73C0F2
RGB	115, 192, 242
RGB Percent	45%, 75%, 95%
CMY	0.5490, 0.2470, 0.0510
CMYK	0.52, 0.21, 0.00, 0.05
HSL	204°, 83%, 70%
HSV	204°, 52%, 95%
XYZ	41.9469, 47.7549, 91.0112
YIQ	174.6770, -61.9420, -0.7740

Conversions

Conversions Part 2

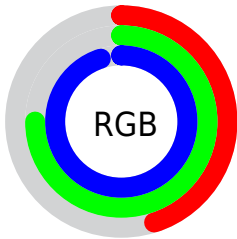
Format	Color
R _{YB}	115, 163, 242
Decimal	7586034
CIE Lab	74.67, -10.14, -32.07
CIE LCh	75, 33.635, 252.451
Yxy	47.7549, 0.2321, 0.2643
Android (android.graphics.Color)	4285776114 (0xFF73C0F2)
YUV	174.6770, 33.1902, -52.3367
Hunter-Lab	69.1049, -12.5836, -29.7115

Details

The XYZ color **41.9469, 47.7549, 91.0112** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **53.1692, 47.0273, 22.4964**, and the grayscale version is **40.4392, 42.5452, 46.3317**.

A 20% lighter version of the original color is **69.0730, 83.3535, 107.0560**, and **19.5117, 22.7405, 49.8153** is the 20% darker color. If you saturate the color by 10%, you get **37.1479, 42.2760, 90.2075**, and if you desaturate by 10%, it is **47.7197, 53.9387, 91.9014**.

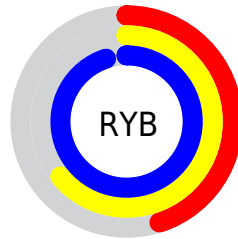
Distribution



Red (45%)

Green (75%)

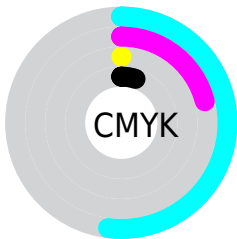
Blue (95%)



Red (45%)

Yellow (64%)

Blue (95%)

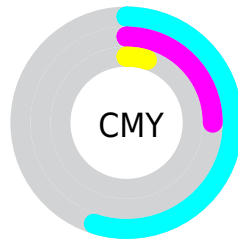


Cyan (52%)

Magenta (21%)

Yellow (0%)

Black (5%)



Cyan (55%)

Magenta (25%)

Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.9469, 47.7549, 91.0112 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 41.9469, 47.7549, 91.0112 by changing the saturation by 10% instead.

■ 41.9469, 47.7549,
91.0112

■ 41.9469, 47.7549,
91.0112

345.2581,
377.8198, 551.9695

■ 29.2506, 33.6328,
68.2412

■ 77.3849, 86.8394,
150.6900

■ 19.4157, 22.6117,
49.6261

■ 100.8574,
112.5705, 188.4358

■ 12.0769, 14.3070,
34.7473

■ 128.6527,
142.9402, 232.0107

■ 6.8686, 8.3345,
23.1863

161.1361,
178.3328, 281.8332

■ 3.4257, 4.3097,
14.5245

198.6729,
219.1326, 338.3217

■ 1.3827, 1.8483,
8.3435

241.6287,

■ 0.2438, 0.5170,

265.7241, 401.8950

4.2246

290.3686,
318.4917, 472.9714

■ 0.0000, 0.0000,
1.7493

■ 0.0000, 0.0000,
0.3942

■ 41.9469, 47.7549,
91.0112

■ 41.9469, 47.7549,
91.0112

■ 37.1479, 42.2760,
90.2075

■ 47.7197, 53.9387,
91.9014

■ 33.2485, 37.4573,
89.4829

■ 54.5235, 60.8578,
92.8784

■ 30.1706, 33.2554,
88.8341

■ 62.4167, 68.5468,
93.9465

■ 27.8183, 29.6171,
88.2558

■ 71.4513, 77.0360,
95.1089

■ 26.4181, 27.1927,
87.8617

■ 81.6761, 86.3540,
96.3685

■ 91.1951, 95.5267,
97.6373

■ 93.0272, 99.1909,
98.2480

Harmonies

Analogous

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



37.2800, 47.7549, 78.0993



41.9469, 47.7549, 91.0112



47.9634, 47.7549, 92.1381

Triad

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



41.9469, 47.7549, 91.0112



57.8217, 47.7549, 45.0913



37.9303, 47.7549, 30.9560

Complementary

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



41.9469, 47.7549, 91.0112



53.1692, 47.0273, 22.4964

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.



42.9095, 47.7549, 25.6270



41.9469, 47.7549, 91.0112



54.5974, 47.7549, 32.4741

Square

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



41.9469, 47.7549, 91.0112



57.5052, 47.7549, 62.7877



49.0157, 47.7549, 26.1122



35.1077, 47.7549, 42.5193

Rectangle

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



41.9469, 47.7549, 91.0112



51.9726, 47.7549, 85.7723



49.0157, 47.7549, 26.1122



39.3873, 47.7549, 28.5060

Sweetspot

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



41.9485, 47.7567, 91.0124



76.6880, 83.2423, 106.6332



45.4962, 69.8193, 46.0528



15.9626, 17.3933, 22.7659



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.



41.9485, 47.7567, 91.0124



41.4972, 47.2085, 101.5328



31.0573, 25.9742, 87.3819



15.6947, 16.8236, 20.1417



14.3288, 14.8819, 47.2452



1.2887, 1.4313, 3.9626

Inverse Universe

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



52.2645, 34.9462, 53.8615



54.7608, 33.1226, 53.2320



67.2330, 75.1549, 27.1843



16.1754, 15.9199, 18.4797



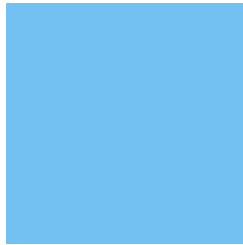
22.5582, 11.2957, 16.1217



1.9254, 0.9592, 1.5980

Previews

White Background



This preview shows how the XYZ color 41.9469, 47.7549, 91.0112 looks on a white background.

Color Contrast Check

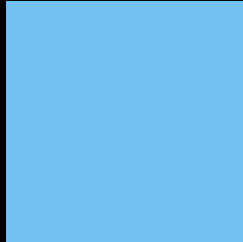
Large Text (above 18pt) WCAG AA × Fail

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 41.9469, 47.7549, 91.0112 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

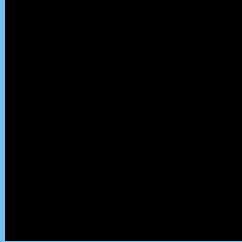
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 41.9469, 47.7549, 91.0112

Background



This preview shows how black text looks on a background with the XYZ color 41.9469, 47.7549, 91.0112.

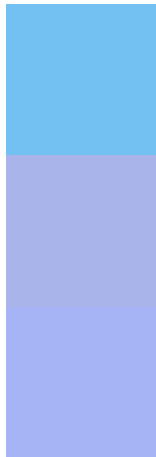


This preview shows how white text looks on a background with the XYZ color 41.9469, 47.7549,

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

41.9469, 47.7549, 91.0112

Protanopia

47.7373, 47.4233, 84.4795

Deuteranopia

48.5286, 47.3421, 92.9664



Tritanopia

37.8022, 47.7399, 70.1731

Trichromacy



Original Color

41.9469, 47.7549, 91.0112

Protanomaly

45.0294, 47.2019, 86.8583

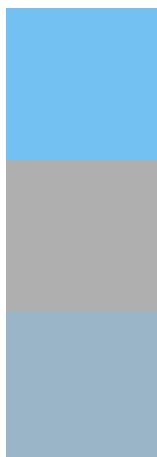
Deuteranomaly

45.5022, 47.0157, 92.2647

Tritanomaly

39.2763, 47.6632, 77.6509

Monochromacy



Original Color

41.9469, 47.7549, 91.0112

Achromatopsia

40.7470, 42.8690, 46.6844

Achromatomaly

39.9695, 43.9436, 60.4082

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.9469, 47.7549, 91.0112 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(115, 192, 242)` looks like.

```
.text, #text, p{  
    color:rgb(115, 192, 242)  
}
```

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(115, 192, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 192, 242) }
```

Border

The CSS property to change the border of an element to XYZ 41.9469, 47.7549, 91.0112 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(115, 192, 242) }
```


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

```
.border{ border-color:rgb(115, 192, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 192, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 192, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 192, 242);  
box-shadow:4px 4px 4px 4px rgb(115, 192,  
242) }
```

Background

The CSS property to change the background color of an element to XYZ 41.9469, 47.7549, 91.0112 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 192, 242) }
```

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

```
.background{ background-color: rgb(115,  
192, 242) }
```

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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