

Converting Colors

XYZ(46.3850, 49.5202, 92.8623)

Have a look what the booklet for
XYZ(46.3850, 49.5202, 92.8623)
contains.

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Color

**XYZ(46.4615, 49.7225,
92.7366)**

Conversions

Conversions Part 1

Format	Color
Hex	90BFF4
RGB	144, 191, 244
RGB Percent	56%, 75%, 96%
CMY	0.4353, 0.2510, 0.0431
CMYK	0.41, 0.22, 0.00, 0.04
HSL	212°, 82%, 76%
HSV	212°, 41%, 96%
XYZ	46.4615, 49.7225, 92.7366
YIQ	182.9890, -45.0250, 6.5190

Conversions

Conversions Part 2

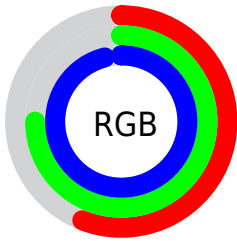
Format	Color
R_{YB}	144, 176, 244
Decimal	9486324
CIE _{Lab}	75.90, -2.24, -31.13
CIE _{LCh}	76, 31.215, 265.880
Yxy	49.7225, 0.2459, 0.2632
Android (android.graphics.Color)	4287676404 (0xFF90BFF4)
YUV	182.9890, 30.0784, -34.1934
Hunter-Lab	70.5142, -5.7869, -28.6152

Details

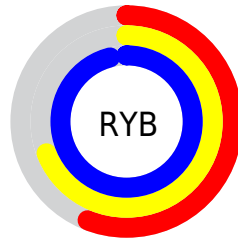
The XYZ color **46.4615, 49.7225, 92.7366** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **62.3098, 61.1806, 34.9122**, and the grayscale version is **44.8631, 47.1994, 51.4002**.

A 20% lighter version of the original color is **75.3982, 86.1590, 107.2642**, and **22.1901, 23.8825, 51.0172** is the 20% darker color. If you saturate the color by 10%, you get **39.9548, 42.3657, 91.6604**, and if you desaturate by 10%, it is **54.1415, 58.0559, 93.9412**.

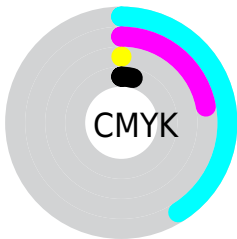
Distribution



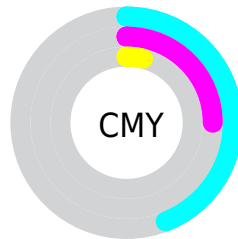
- Red (56%)
- Green (75%)
- Blue (96%)



- Red (56%)
- Yellow (69%)
- Blue (96%)



- Cyan (41%)
- Magenta (22%)
- Yellow (0%)
- Black (4%)



- Cyan (44%)
- Magenta (25%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.4615, 49.7225, 92.7366 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 46.4615, 49.7225, 92.7366 by changing the saturation by 10% instead.

■ 46.4615, 49.7225,
92.7366

■ 46.4615, 49.7225,
92.7366

363.3459,
385.5798, 557.6914

■ 32.8163, 35.1930,
69.6661

■ 84.1329, 89.7636,
153.1024

■ 22.1443, 23.8115,
50.7793

■ 108.8898,
116.0439, 191.2349

■ 14.0802, 15.1939,
35.6575

138.0814,
147.0100, 235.2251

■ 8.2585, 8.9556,
23.8822

172.0729,
183.0461, 285.4916

■ 4.3140, 4.7122,
15.0349

211.2297,
224.5368, 342.4530

■ 1.8813, 2.0794,
8.6970

255.9173,

■ 0.5659, 0.6530,

271.8663, 406.5277

4.4499

306.5009,
325.4192, 478.1343

■ 0.0000, 0.0000,
1.8753

■ 0.0000, 0.0000,
0.4769

■ 46.4615, 49.7225,
92.7366

■ 46.4615, 49.7225,
92.7366

■ 39.9548, 42.3657,
91.6604

■ 54.1415, 58.0559,
93.9412

■ 34.5501, 35.9361,
90.7043

■ 63.0504, 67.4007,
95.2754

■ 30.1754, 30.3877,
89.8639

■ 73.2464, 77.7967,
96.7446

■ 26.7468, 25.6670,
89.1334

■ 84.7819, 89.2794,
98.3531

■ 24.1651, 21.7120,
88.5061

■ 93.3293, 99.3117,
99.8390

■ 22.4238, 18.7207,
88.0205

Harmonies

Analogous

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



41.2655, 49.7225, 85.1844



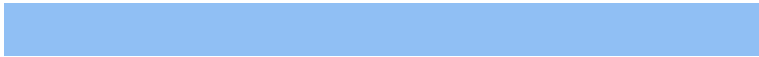
46.4615, 49.7225, 92.7366



52.3061, 49.7225, 88.3326

Triad

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



46.4615, 49.7225, 92.7366



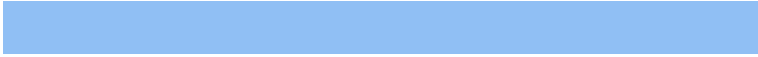
58.0415, 49.7225, 41.3394



38.6006, 49.7225, 38.1011

Complementary

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



46.4615, 49.7225, 92.7366



62.3098, 61.1806, 34.9122

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.



42.5489, 49.7225, 30.1518



46.4615, 49.7225, 92.7366



53.8080, 49.7225, 31.7351

Square

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



46.4615, 49.7225, 92.7366



59.3024, 49.7225, 56.4712



48.0671, 49.7225, 28.0848



36.9689, 49.7225, 51.8726

Rectangle

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



46.4615, 49.7225, 92.7366



55.7427, 49.7225, 79.6101



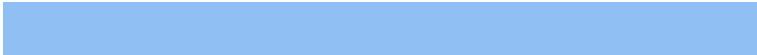
48.0671, 49.7225, 28.0848



39.6843, 49.7225, 34.7790

Sweetspot

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



46.4632, 49.7244, 92.7378



79.7173, 84.7368, 106.7620



53.7796, 74.6022, 63.5926



16.7335, 17.8042, 22.8045



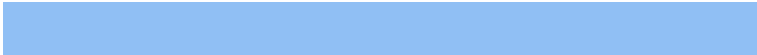
0.0000, 0.0000, 0.0000



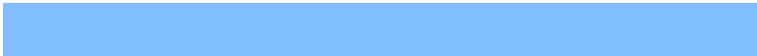
20.3446, 21.4041, 23.3091

Same Dimension

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



46.4632, 49.7244, 92.7378



45.4132, 48.2691, 101.5311



38.0989, 32.5604, 89.8656



16.2234, 17.2110, 21.0096



12.3270, 10.4477, 47.9049



1.1854, 1.1222, 4.2444

Inverse Universe

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



56.6869, 42.9428, 54.5931



58.3904, 40.9030, 52.8348



74.1183, 85.6523, 39.0134



16.8233, 16.6122, 18.8162



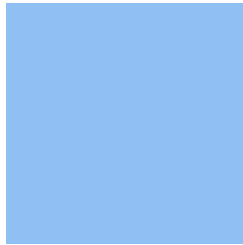
22.0266, 11.1541, 10.1144



1.9874, 1.0009, 1.1600

Previews

White Background



This preview shows how the XYZ color 46.4615, 49.7225, 92.7366 looks on a white background.

Color Contrast Check

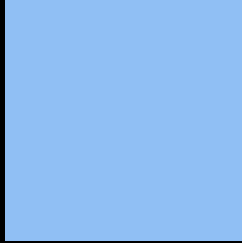
Large Text (above 18pt) WCAG AA × Fail

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 46.4615, 49.7225, 92.7366 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

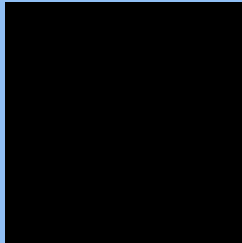
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

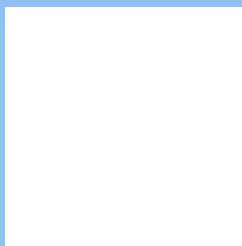
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.4615, 49.7225, 92.7366

Background



This preview shows how black text looks on a background with the XYZ color 46.4615, 49.7225, 92.7366.



This preview shows how white text looks on a background with the XYZ color 46.4615, 49.7225,

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

46.4615, 49.7225, 92.7366

Protanopia

49.7337, 49.2836, 88.5528

Deuteranopia

50.5813, 49.2914, 94.0371



Tritanopia

42.0033, 49.9202, 69.7091

Trichromacy



Original Color

46.4615, 49.7225, 92.7366

Protanomaly

48.5478, 49.5729, 90.2289

Deuteranomaly

48.9406, 49.3918, 93.3403

Tritanomaly

43.6171, 49.9010, 77.8540

Monochromacy



Original Color

46.4615, 49.7225, 92.7366

Achromatopsia

45.0092, 47.3531, 51.5676

Achromatomaly

44.9405, 47.9606, 64.6463

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.4615, 49.7225, 92.7366 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(144, 191, 244)` looks like.

```
.text, #text, p{  
    color:rgb(144, 191, 244)  
}
```

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(144, 191, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 191, 244) }
```

Border

The CSS property to change the border of an element to XYZ 46.4615, 49.7225, 92.7366 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(144, 191, 244) }
```


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

```
.border{ border-color:rgb(144, 191, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 191, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 191, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 191, 244);  
box-shadow:4px 4px 4px 4px rgb(144, 191,  
244) }
```

Background

The CSS property to change the background color of an element to XYZ 46.4615, 49.7225, 92.7366 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 191, 244) }
```

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

```
.background{ background-color: rgb(144,  
191, 244) }
```

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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