

Converting Colors

XYZ(46.2329, 49.2321, 82.4998)

Have a look what the booklet for
XYZ(46.2329, 49.2321, 82.4998)
contains.

XYZ(46.1390, 49.1333, 82.6532)	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(46.1390, 49.1333,
82.6532)**

Conversions

Conversions Part 1

Format	Color
Hex	9BBDE7
RGB	155, 189, 231
RGB Percent	61%, 74%, 91%
CMY	0.3921, 0.2588, 0.0941
CMYK	0.33, 0.18, 0.00, 0.09
HSL	213°, 61%, 76%
HSV	213°, 33%, 91%
XYZ	46.1390, 49.1333, 82.6532
YIQ	183.6220, -33.7460, 5.8540

Conversions

Conversions Part 2

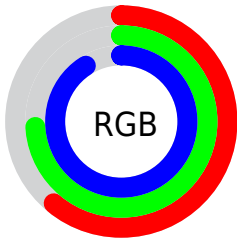
Format	Color
RYB	155, 178, 231
Decimal	10206695
CIELab	75.53, -1.59, -24.63
CIELCh	76, 24.678, 266.316
Yxy	49.1333, 0.2593, 0.2761
Android (android.graphics.Color)	4288396775 (0xFF9BBDE7)
YUV	183.6220, 23.3574, -25.1015
Hunter-Lab	70.0951, -5.1718, -20.8456

Details

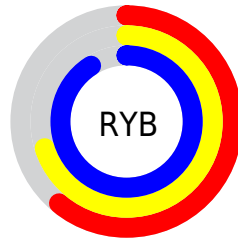
The XYZ color **46.1390, 49.1333, 82.6532** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **58.8386, 59.2888, 39.3547**, and the grayscale version is **45.2416, 47.5977, 51.8339**.

A 20% lighter version of the original color is **77.5664, 86.3737, 107.1913**, and **21.9089, 23.4702, 43.9329** is the 20% darker color. If you saturate the color by 10%, you get **39.4966, 41.8114, 81.5909**, and if you desaturate by 10%, it is **53.8742, 57.3796, 83.8381**.

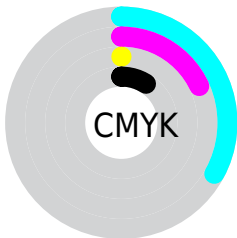
Distribution



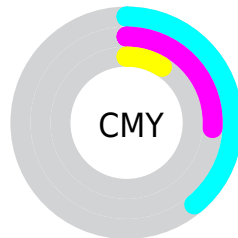
- Red (61%)
- Green (74%)
- Blue (91%)



- Red (61%)
- Yellow (70%)
- Blue (91%)



- Cyan (33%)
- Magenta (18%)
- Yellow (0%)
- Black (9%)



- Cyan (39%)
- Magenta (26%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.1390, 49.1333, 82.6532 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 46.1390, 49.1333, 82.6532 by changing the saturation by 10% instead.

■ 46.1390, 49.1333,
82.6532

■ 46.1390, 49.1333,
82.6532

362.0738,
383.2669, 523.7707

■ 32.5606, 34.7252,
61.3651

■ 83.6536, 88.8894,
138.9345

■ 21.9477, 23.4513,
44.0875

■ 108.3205,
115.0062, 174.7649

■ 13.9348, 14.9271,
30.4016

137.4142,
145.7948, 216.2797

■ 8.1568, 8.7682,
19.8890

171.3003,
181.6394, 263.8977

■ 4.2481, 4.5903,
12.1311

210.3439,
222.9245, 318.0372

■ 1.8434, 2.0090,
6.7094

254.9104,

■ 0.5436, 0.6127,

270.0346, 379.1168

3.2053

305.3653,
323.3539, 447.5551

■ 0.0000, 0.0000,
1.2004

■ 0.0000, 0.0000,
0.0000

■ 46.1390, 49.1333,
82.6532

■ 46.1390, 49.1333,
82.6532

■ 39.4966, 41.8114,
81.5909

■ 53.8742, 57.3796,
83.8381

■ 33.8877, 35.3708,
80.6433

■ 62.7483, 66.5795,
85.1461

■ 29.2540, 29.7730,
79.8071

■ 72.8100, 76.7680,
86.5824

■ 25.5287, 24.9735,
79.0770

■ 84.1038, 87.9761,
88.1505

■ 22.6358, 20.9226,
78.4476

■ 90.7360, 97.1736,
89.5762

■ 20.4842, 17.5625,
77.9124

■ 91.4240, 98.5496,
89.8056

■ 19.3087, 15.5391,
77.5838

Harmonies

Analogous

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



42.0065, 49.1333, 77.2155



46.1390, 49.1333, 82.6532



50.6932, 49.1333, 79.2931

Triad

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



46.1390, 49.1333, 82.6532



55.0029, 49.1333, 43.1255



39.7810, 49.1333, 40.7516

Complementary

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



46.1390, 49.1333, 82.6532



58.8386, 59.2888, 39.3547

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.



42.9217, 49.1333, 34.0084



46.1390, 49.1333, 82.6532



51.7302, 49.1333, 35.2145

Square

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



46.1390, 49.1333, 82.6532



56.0016, 49.1333, 55.1264



47.2650, 49.1333, 32.1584



38.4895, 49.1333, 51.9016

Rectangle

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



46.1390, 49.1333, 82.6532



53.3276, 49.1333, 72.7704



47.2650, 49.1333, 32.1584



40.6451, 49.1333, 37.9692

Sweetspot

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



46.1406, 49.1352, 82.6543



81.9510, 86.8167, 107.0458



52.1499, 68.1435, 63.1090



17.1732, 18.2076, 22.8592



0.0000, 0.0000, 0.0000



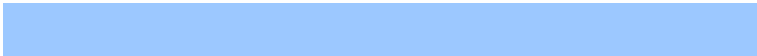
20.3446, 21.4041, 23.3091

Same Dimension

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



46.1406, 49.1352, 82.6543



52.3374, 55.5712, 102.5756



40.4050, 36.5643, 80.5302



14.1110, 14.9435, 18.2850



10.9445, 8.9510, 43.5341



0.9003, 0.8445, 3.2475

Inverse Universe

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



53.8630, 44.1073, 53.8208



63.4834, 49.0583, 60.7927



66.2350, 75.8828, 42.1678



14.6436, 14.4746, 16.3238



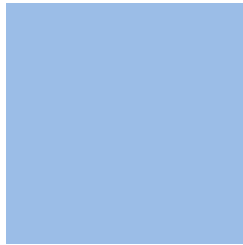
19.9178, 10.1013, 8.4619



1.5181, 0.7649, 0.8686

Previews

White Background



This preview shows how the XYZ color 46.1390, 49.1333, 82.6532 looks on a white background.

Color Contrast Check

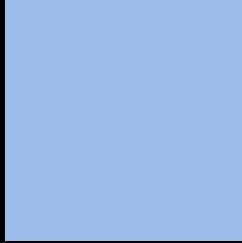
Large Text (above 18pt) WCAG AA × Fail

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 46.1390, 49.1333, 82.6532 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

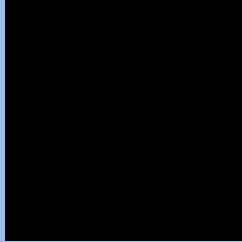
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

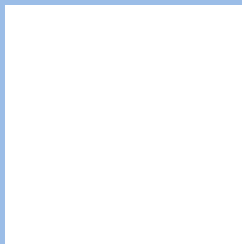
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.1390, 49.1333, 82.6532

Background



This preview shows how black text looks on a background with the XYZ color 46.1390, 49.1333, 82.6532.



This preview shows how white text looks on a background with the XYZ color 46.1390, 49.1333,

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

46.1390, 49.1333, 82.6532

Protanopia

48.9101, 49.0571, 79.5642

Deuteranopia

50.1158, 48.9854, 83.1577



Tritanopia

43.0328, 49.1780, 66.8987

Trichromacy



Original Color

46.1390, 49.1333, 82.6532

Protanomaly

47.7109, 49.0441, 80.3506

Deuteranomaly

48.7090, 49.1820, 83.2698

Tritanomaly

44.1932, 49.3325, 72.1586

Monochromacy



Original Color

46.1390, 49.1333, 82.6532

Achromatopsia

45.5594, 47.9320, 52.1980

Achromatomaly

45.3351, 48.2191, 62.1761

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.1390, 49.1333, 82.6532 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(155, 189, 231)` looks like.

```
.text, #text, p{  
    color:rgb(155, 189, 231)  
}
```

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(155, 189, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 189, 231) }
```

Border

The CSS property to change the border of an element to XYZ 46.1390, 49.1333, 82.6532 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(155, 189, 231) }
```


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

```
.border{ border-color:rgb(155, 189, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 189, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 189, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 189, 231);  
box-shadow:4px 4px 4px 4px rgb(155, 189,  
231) }
```

Background

The CSS property to change the background color of an element to XYZ 46.1390, 49.1333, 82.6532 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 189, 231) }
```

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

```
.background{ background-color: rgb(155,  
189, 231) }
```

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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