

Converting Colors

XYZ(46.5407, 50.0968, 71.8161)

Have a look what the booklet for
XYZ(46.5407, 50.0968, 71.8161)
contains.

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Color

**XYZ(46.6224, 50.2749,
71.5367)**

Conversions

Conversions Part 1

Format	Color
Hex	A6BFD7
RGB	166, 191, 215
RGB Percent	65%, 75%, 84%
CMY	0.3490, 0.2510, 0.1569
CMYK	0.23, 0.11, 0.00, 0.16
HSL	209°, 38%, 75%
HSV	209°, 23%, 84%
XYZ	46.6224, 50.2749, 71.5367
YIQ	186.2610, -22.6040, 2.1640

Conversions

Conversions Part 2

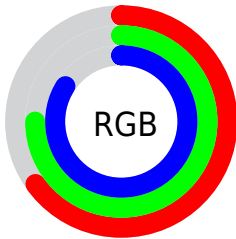
Format	Color
RYB	166, 183, 215
Decimal	10928087
CIELab	76.24, -3.25, -14.84
CIELCh	76, 15.189, 257.644
Yxy	50.2749, 0.2768, 0.2985
Android (android.graphics.Color)	4289118167 (0xFFA6BFD7)
YUV	186.2610, 14.1683, -17.7689
Hunter-Lab	70.9048, -6.7134, -10.1850

Details

The XYZ color **46.6224, 50.2749, 71.5367** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **53.3212, 54.0272, 43.6955**, and the grayscale version is **46.7517, 49.1865, 53.5641**.

A 20% lighter version of the original color is **81.4350, 89.2711, 107.5467**, and **22.2437, 24.2257, 36.7614** is the 20% darker color. If you saturate the color by 10%, you get **40.2726, 43.7153, 70.6061**, and if you desaturate by 10%, it is **53.8938, 57.5572, 72.5599**.

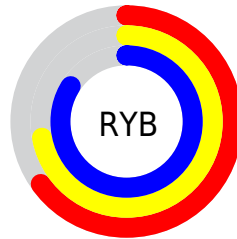
Distribution



Red (65%)

Green (75%)

Blue (84%)



Red (65%)

Yellow (72%)

Blue (84%)

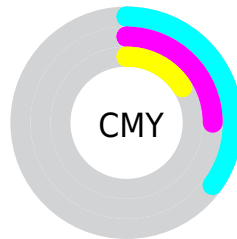


Cyan (23%)

Magenta (11%)

Yellow (0%)

Black (16%)



Cyan (35%)

Magenta (25%)

Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.6224, 50.2749, 71.5367 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 46.6224, 50.2749, 71.5367 by changing the saturation by 10% instead.

■ 46.6224, 50.2749,
71.5367

■ 46.6224, 50.2749,
71.5367

363.9794,
387.7400, 484.8615

■ 32.9439, 35.6319,
52.2958

■ 84.3719, 90.5820,
123.0992

■ 22.2425, 24.1500,
36.8570

■ 109.1736,
117.0150, 156.2579

■ 14.1528, 15.4449,
24.8019

138.4138,
148.1466, 194.8928

■ 8.3094, 9.1323,
15.7118

172.4579,
184.3614, 239.4227

■ 4.3471, 4.8275,
9.1683

211.6711,
226.0438, 290.2659

■ 1.9003, 2.1464,
4.7528

256.4189,

■ 0.5770, 0.6906,

273.5781, 347.8411

2.0468

307.0665,
327.3487, 412.5668

■ 0.0000, 0.0000,
0.5838

■ 0.0000, 0.0000,
0.0000

■ 46.6224, 50.2749,
71.5367

■ 46.6224, 50.2749,
71.5367

■ 40.2726, 43.7153,
70.6061

■ 53.8938, 57.5572,
72.5599

■ 34.7989, 37.8462,
69.7617

■ 62.1204, 65.5807,
73.6750

■ 30.1587, 32.6414,
69.0016

■ 71.3396, 74.3708,
74.8858

■ 26.3036, 28.0705,
68.3226

■ 81.5854, 83.9496,
76.1947

■ 23.1797, 24.1002,
67.7209

■ 85.7521, 90.6587,
77.2700

■ 20.7254, 20.6927,
67.1925

■ 89.0055, 97.1656,
78.3545

■ 18.8670, 17.8039,
66.7329

■ 89.2659, 97.6864,
78.4413

■ 17.8100, 15.9945,
66.4393

Harmonies

Analogous

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



44.1890, 50.2749, 67.1691



46.6224, 50.2749, 71.5367



49.4641, 50.2749, 71.0899

Triad

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



46.6224, 50.2749, 71.5367



53.1963, 50.2749, 50.1229



43.8507, 50.2749, 44.8386

Complementary

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



46.6224, 50.2749, 71.5367



53.3212, 54.0272, 43.6955

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.



46.1439, 50.2749, 41.1127



46.6224, 50.2749, 71.5367



51.5705, 50.2749, 43.9487

Square

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



46.6224, 50.2749, 71.5367



53.3369, 50.2749, 58.1662



48.9663, 50.2749, 40.8040



42.6320, 50.2749, 51.4526

Rectangle

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



46.6224, 50.2749, 71.5367



51.2084, 50.2749, 68.1236



48.9663, 50.2749, 40.8040



44.5172, 50.2749, 43.2366

Sweetspot

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



46.6239, 50.2769, 71.5378



86.0594, 91.3189, 107.6982



49.2870, 60.4127, 57.5980



18.2616, 19.3914, 23.0304



0.0000, 0.0000, 0.0000



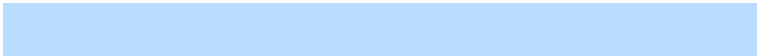
20.3446, 21.4041, 23.3091

Same Dimension

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



46.6239, 50.2769, 71.5378



64.2668, 69.5392, 104.6429



41.7778, 40.5847, 69.9225



12.2612, 13.0459, 15.8094



10.7589, 9.7795, 39.7737



0.7317, 0.7554, 2.4266

Inverse Universe

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



51.0657, 45.4823, 55.3800



71.9191, 61.6765, 76.7171



59.0011, 65.3871, 45.5888



12.6851, 12.5255, 14.2817



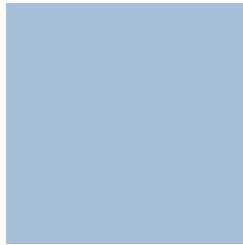
18.4894, 9.3321, 9.8814



1.1570, 0.5796, 0.8160

Previews

White Background



This preview shows how the XYZ color 46.6224, 50.2749, 71.5367 looks on a white background.

Color Contrast Check

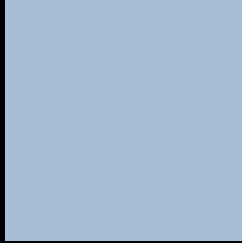
Large Text (above 18pt) WCAG AA × Fail

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 46.6224, 50.2749, 71.5367 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

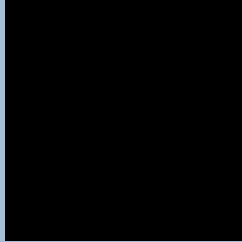
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

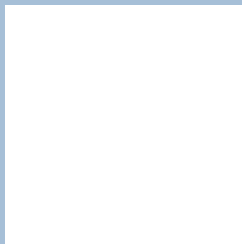
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.6224, 50.2749, 71.5367

Background



This preview shows how black text looks on a background with the XYZ color 46.6224, 50.2749, 71.5367.



This preview shows how white text looks on a background with the XYZ color 46.6224, 50.2749,

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

46.6224, 50.2749, 71.5367

Protanopia

49.2097, 50.0616, 69.3566

Deuteranopia

51.1961, 50.0832, 72.6143



Tritanopia

45.7519, 50.2527, 66.9629

Trichromacy



Original Color

46.6224, 50.2749, 71.5367

Protanomaly

48.1249, 50.1176, 70.0880

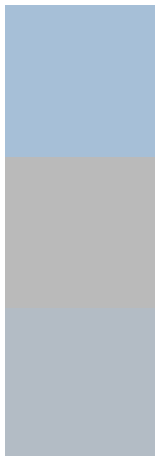
Deuteranomaly

49.4820, 50.1430, 72.0363

Tritanomaly

46.1246, 50.4018, 68.9255

Monochromacy



Original Color

46.6224, 50.2749, 71.5367

Achromatopsia

46.6715, 49.1021, 53.4722

Achromatomaly

46.6517, 49.5814, 59.9347

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.6224, 50.2749, 71.5367 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(166, 191, 215)` looks like.

```
.text, #text, p{  
    color:rgb(166, 191, 215)  
}
```

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(166, 191, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 191, 215) }
```

Border

The CSS property to change the border of an element to XYZ 46.6224, 50.2749, 71.5367 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(166, 191, 215) }
```


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

```
.border{ border-color:rgb(166, 191, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 191, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 191, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 191, 215);  
box-shadow:4px 4px 4px 4px rgb(166, 191,  
215) }
```

Background

The CSS property to change the background color of an element to XYZ 46.6224, 50.2749, 71.5367 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 191, 215) }
```

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

```
.background{ background-color: rgb(166,  
191, 215) }
```

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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