

Converting Colors

XYZ(46.6461, 42.1520, 90.4717)

Have a look what the booklet for
XYZ(46.6461, 42.1520, 90.4717)
contains.

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Color

**XYZ(46.6461, 42.1520,
90.4717)**

Conversions

Conversions Part 1

Format	Color
Hex	ACA5F3
RGB	172, 165, 243
RGB Percent	67%, 65%, 95%
CMY	0.3255, 0.3529, 0.0471
CMYK	0.29, 0.32, 0.00, 0.05
HSL	245°, 76%, 80%
HSV	245°, 32%, 95%
XYZ	46.6461, 42.1520, 90.4717
YIQ	175.9850, -20.8660, 25.7420

Conversions

Conversions Part 2

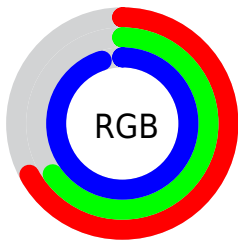
Format	Color
R _Y B	172, 165, 243
Decimal	11314675
CIE Lab	70.98, 19.50, -38.07
CIE LCh	71, 42.770, 297.122
Yxy	42.1520, 0.2602, 0.2351
Android (android.graphics.Color)	4289504755 (0xFFACA5F3)
YUV	175.9850, 33.0384, -3.4948
Hunter-Lab	64.9246, 14.6282, -37.1728

Details

The XYZ color **46.6461, 42.1520, 90.4717** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **73.4351, 84.6515, 48.0678**, and the grayscale version is **41.1013, 43.2418, 47.0903**.

A 20% lighter version of the original color is **75.9563, 75.0644, 105.0933**, and **22.2393, 19.2070, 48.9896** is the 20% darker color. If you saturate the color by 10%, you get **38.2154, 31.9065, 88.9392**, and if you desaturate by 10%, it is **56.7204, 54.4826, 92.3215**.

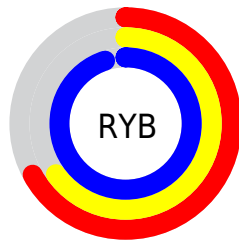
Distribution



Red (67%)

Green (65%)

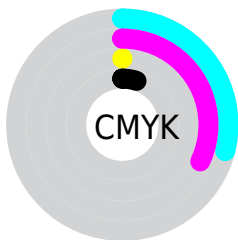
Blue (95%)



Red (67%)

Yellow (65%)

Blue (95%)

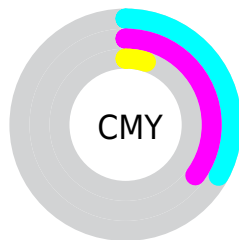


Cyan (29%)

Magenta (32%)

Yellow (0%)

Black (5%)



Cyan (33%)

Magenta (35%)

Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.6461, 42.1520, 90.4717 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 46.6461, 42.1520, 90.4717 by changing the saturation by 10% instead.

■ 46.6461, 42.1520,
90.4717

■ 46.6461, 42.1520,
90.4717

364.0727,
355.1126, 550.1737

■ 32.9627, 29.2203,
67.7960

■ 84.4071, 78.4296,
149.9347

■ 22.2570, 19.2476,
49.2662

■ 109.2154,
102.5444, 187.5590

■ 14.1635, 11.8493,
34.4636

138.4628,
131.1556, 231.0034

■ 8.3170, 6.6411,
22.9697

172.5146,
164.6477, 280.6863

■ 4.3519, 3.2387,
14.3661

211.7361,
203.4050, 337.0262

■ 1.9031, 1.2576,
8.2340

256.4927,

■ 0.5786, 0.1080,

247.8120, 400.4417

4.1552

307.1498,
298.2531, 471.3514

■ 0.0000, 0.0000,
1.7108

■ 0.0000, 0.0000,
0.3681

■ 46.6461, 42.1520,
90.4717

■ 46.6461, 42.1520,
90.4717

■ 38.2154, 31.9065,
88.9392

■ 56.7204, 54.4826,
92.3215

■ 31.3366, 23.6260,
87.7035

■ 68.5146, 68.9996,
94.5020

■ 25.9157, 17.1858,
86.7461

■ 82.1056, 85.8038,
97.0292

■ 21.8470, 12.4446,
86.0454

■ 93.1778, 99.2511,
99.0412

■ 19.0097, 9.2407,
85.5765

■ 17.2618, 7.3807,
85.3096

■ 16.5045, 6.6395,
85.2065

Harmonies

Analogous

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



39.3797, 42.1520, 97.3500



46.6461, 42.1520, 90.4717



52.7186, 42.1520, 70.6853

Triad

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



46.6461, 42.1520, 90.4717



47.9783, 42.1520, 20.1850



27.8706, 42.1520, 43.9527

Complementary

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



46.6461, 42.1520, 90.4717



73.4351, 84.6515, 48.0678

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.



29.6165, 42.1520, 27.7086



46.6461, 42.1520, 90.4717



40.7566, 42.1520, 16.7868

Square

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



46.6461, 42.1520, 90.4717



53.5496, 42.1520, 30.2205



34.1326, 42.1520, 19.0660



29.0572, 42.1520, 66.2278

Rectangle

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



46.6461, 42.1520, 90.4717



54.9731, 42.1520, 55.2169



34.1326, 42.1520, 19.0660



28.1286, 42.1520, 37.6885

Sweetspot

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



46.6476, 42.1536, 90.4727



79.4180, 80.6562, 105.9902



61.8355, 74.7507, 95.9641



16.5637, 16.7268, 22.6055



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.



46.6476, 42.1536, 90.4727



45.2712, 38.7894, 99.7088



56.3550, 47.1580, 90.9270



15.7190, 15.9978, 20.8020



9.1048, 3.6680, 46.7661



0.8463, 0.3461, 4.1124

Inverse Universe

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



65.5587, 52.0225, 85.9436



69.6991, 51.5446, 93.5243



62.0005, 78.7568, 47.5327



17.1457, 16.7411, 20.5139



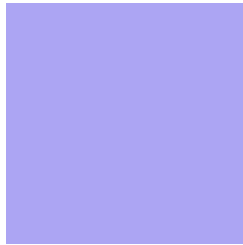
27.4893, 13.3392, 38.8806



2.4345, 1.1798, 3.5143

Previews

White Background



This preview shows how the XYZ color 46.6461, 42.1520, 90.4717 looks on a white background.

Color Contrast Check

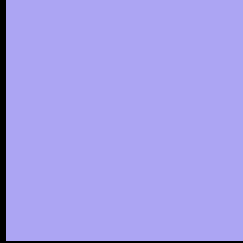
Large Text (above 18pt) WCAG AA × Fail

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 46.6461, 42.1520, 90.4717 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

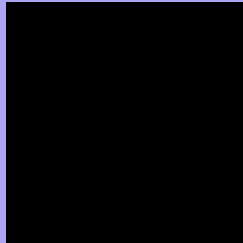
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.6461, 42.1520, 90.4717

Background



This preview shows how black text looks on a background with the XYZ color 46.6461, 42.1520, 90.4717.



This preview shows how white text looks on a background with the XYZ color 46.6461, 42.1520,

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

46.6461, 42.1520, 90.4717

Protanopia

43.9006, 42.2927, 94.6564

Deuteranopia

43.5420, 42.4952, 89.9119



Tritanopia

39.4086, 42.3019, 54.2321

Trichromacy



Original Color

46.6461, 42.1520, 90.4717

Protanomaly

44.7271, 42.1979, 92.9764

Deuteranomaly

44.5131, 42.1577, 89.7956

Tritanomaly

41.7782, 42.1078, 66.2473

Monochromacy



Original Color

46.6461, 42.1520, 90.4717

Achromatopsia

41.2663, 43.4154, 47.2793

Achromatomaly

42.8570, 42.7891, 60.6439

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.6461, 42.1520, 90.4717 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(172, 165, 243)` looks like.

```
.text, #text, p{  
    color:rgb(172, 165, 243)  
}
```

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(172, 165, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 165, 243) }
```

Border

The CSS property to change the border of an element to XYZ 46.6461, 42.1520, 90.4717 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(172, 165, 243) }
```


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

```
.border{ border-color:rgb(172, 165, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 165, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 165, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 165, 243);  
box-shadow:4px 4px 4px 4px rgb(172, 165,  
243) }
```

Background

The CSS property to change the background color of an element to XYZ 46.6461, 42.1520, 90.4717 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 165, 243) }
```

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

```
.background{ background-color: rgb(172,  
165, 243) }
```

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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