

Converting Colors

XYZ(47.9315, 50.2801,
132.1251)

Have a look what the booklet for
XYZ(47.9315, 50.2801, 132.1251)
contains.

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Color

**XYZ(42.1570, 47.9566,
101.6424)**

Conversions

Conversions Part 1

Format	Color
Hex	62C1FF
RGB	98, 193, 255
RGB Percent	38%, 76%, 100%
CMY	0.6157, 0.2431, 0.0000
CMYK	0.62, 0.24, 0.00, 0.00
HSL	204°, 100%, 69%
HSV	204°, 62%, 100%
XYZ	42.1570, 47.9566, 101.6424
YIQ	171.6630, -76.5220, -0.8580

Conversions

Conversions Part 2

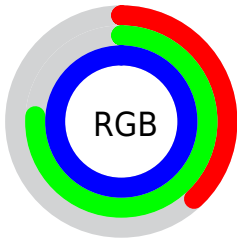
Format	Color
R _Y B	98, 157, 255
Decimal	6472191
CIE Lab	74.80, -10.06, -38.92
CIE LCh	75, 40.196, 255.511
Yxy	47.9566, 0.2198, 0.2501
Android (android.graphics.Color)	4284662271 (0xFF62C1FF)
YUV	171.6630, 41.0851, -64.6025
Hunter-Lab	69.2507, -12.5252, -38.5471

Details

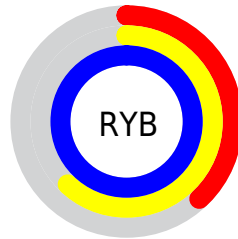
The XYZ color **42.1570, 47.9566, 101.6424** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **56.0169, 47.2858, 17.7321**, and the grayscale version is **38.8711, 40.8955, 44.5352**.

A 20% lighter version of the original color is **66.4229, 82.4449, 107.0204**, and **19.5962, 22.8463, 56.8030** is the 20% darker color. If you saturate the color by 10%, you get **37.6801, 42.4564, 100.8167**, and if you desaturate by 10%, it is **47.6645, 54.2148, 102.5601**.

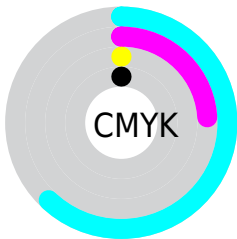
Distribution



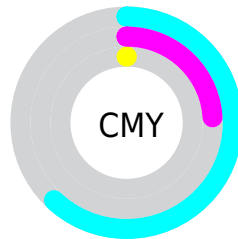
- Red (38%)
- Green (76%)
- Blue (100%)



- Red (38%)
- Yellow (62%)
- Blue (100%)



- Cyan (62%)
- Magenta (24%)
- Yellow (0%)
- Black (0%)



- Cyan (62%)
- Magenta (24%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.1570, 47.9566, 101.6424 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 42.1570, 47.9566, 101.6424 by changing the saturation by 10% instead.

■ 42.1570, 47.9566,
101.6424

■ 42.1570, 47.9566,
101.6424

346.1139,
378.6201, 586.7372

■ 29.4159, 33.7925,
77.0484

■ 77.7009, 87.1398,
165.4839

■ 19.5415, 22.7343,
56.7808

■ 101.2343,
112.9277, 205.5685

■ 12.1685, 14.3974,
40.4211

■ 129.0959,
143.3590, 251.6536

■ 6.9316, 8.3976,
27.5507

161.6511,
178.8180, 304.1579

■ 3.4653, 4.3504,
17.7512

199.2651,
219.6893, 363.4999

■ 1.4043, 1.8714,
10.6039

242.3033,

■ 0.2593, 0.5311,

266.3571, 430.0981

5.6904

291.1312,
319.2059, 504.3710

■ 0.0000, 0.0000,
2.5920

■ 0.0000, 0.0000,
0.8883

■ 42.1570, 47.9566,
101.6424

■ 42.1570, 47.9566,
101.6424

■ 37.6801, 42.4564,
100.8167

■ 47.6645, 54.2148,
102.5601

■ 34.1398, 37.6588,
100.0773

■ 54.2763, 61.2709,
103.5735

■ 31.4304, 33.5056,
99.4184

■ 62.0638, 69.1666,
104.6871

■ 29.6548, 30.4297,
98.9183

■ 71.0910, 77.9390,
105.9046

■ 81.4167, 87.6225,
107.2295

■ 93.0961, 98.2493,
108.6651

■ 95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



36.4308, 47.9566, 86.4869



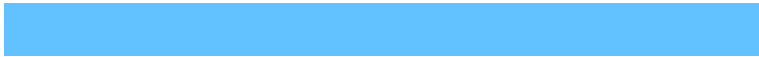
42.1570, 47.9566, 101.6424



49.4412, 47.9566, 101.3533

Triad

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



42.1570, 47.9566, 101.6424



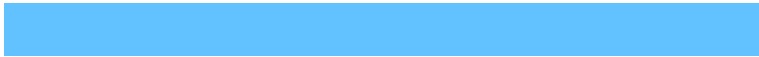
60.4976, 47.9566, 42.1821



36.2785, 47.9566, 28.7976

Complementary

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



42.1570, 47.9566, 101.6424



56.0169, 47.2858, 17.7321

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.



41.9278, 47.9566, 22.2577



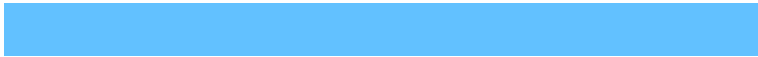
42.1570, 47.9566, 101.6424



56.1485, 47.9566, 28.4579

Square

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



42.1570, 47.9566, 101.6424



60.5759, 47.9566, 62.9403



49.1862, 47.9566, 22.1528



33.2910, 47.9566, 42.7859

Rectangle

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



42.1570, 47.9566, 101.6424



54.2354, 47.9566, 92.2771



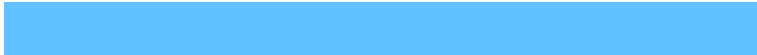
49.1862, 47.9566, 22.1528



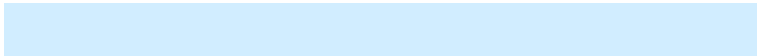
37.9006, 47.9566, 25.8421

Sweetspot

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



42.1585, 47.9582, 101.6426



74.6204, 81.2851, 106.3644



46.9858, 76.5923, 44.7404



15.3526, 16.8119, 22.6858



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.



42.1585, 47.9582, 101.6426



36.7355, 41.2255, 100.6289



29.3708, 22.3829, 97.3801



17.9176, 19.2068, 23.0129



15.6451, 16.1997, 51.7369



1.6299, 1.7906, 5.0730

Inverse Universe

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



55.2344, 33.8474, 54.0756



51.4931, 28.5065, 46.2254



73.6379, 82.5278, 23.6058



18.4711, 18.1717, 21.0977



24.6851, 12.3633, 17.5241



2.4573, 1.2253, 1.9897

Previews

White Background



This preview shows how the XYZ color 42.1570, 47.9566, 101.6424 looks on a white background.

Color Contrast Check

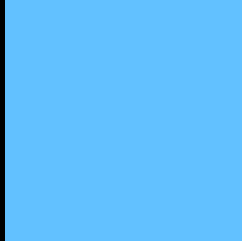
Large Text (above 18pt) WCAG AA × Fail

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 42.1570, 47.9566, 101.6424 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

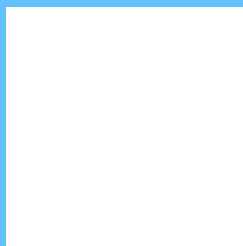
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.1570, 47.9566, 101.6424

Background



This preview shows how black text looks on a background with the XYZ color 42.1570, 47.9566, 101.6424.



This preview shows how white text looks on a background with the XYZ color 42.1570, 47.9566,

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

42.1570, 47.9566, 101.6424

Protanopia

48.5224, 47.6397, 93.0242

Deuteranopia

48.6744, 47.5368, 101.2179



Tritanopia

36.3572, 47.9719, 72.3090

Trichromacy



Original Color

42.1570, 47.9566, 101.6424

Protanomaly

45.4323, 47.2002, 96.3385

Deuteranomaly

45.5523, 47.1522, 101.3082

Tritanomaly

38.1797, 47.6719, 82.0522

Monochromacy



Original Color

42.1570, 47.9566, 101.6424

Achromatopsia

39.2122, 41.2543, 44.9259

Achromatomaly

38.6590, 42.9265, 62.1252

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.1570, 47.9566, 101.6424 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(98, 193, 255)` looks like.

```
.text, #text, p{  
    color:rgb(98, 193, 255)  
}
```

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(98, 193, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 193, 255) }
```

Border

The CSS property to change the border of an element to XYZ 42.1570, 47.9566, 101.6424 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(98, 193, 255) }
```


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

```
.border{ border-color:rgb(98, 193, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 193, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 193, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 193, 255);  
box-shadow:4px 4px 4px 4px rgb(98, 193,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 42.1570, 47.9566, 101.6424 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 193, 255) }
```

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

```
.background{ background-color: rgb(98, 193,  
255) }
```

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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