

Converting Colors

XYZ(41.6091, 43.6625, 90.4361)

Have a look what the booklet for
XYZ(41.6091, 43.6625, 90.4361)
contains.

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Color

**XYZ(41.5072, 43.4763,
90.2085)**

Conversions

Conversions Part 1

Format	Color
Hex	83B3F2
RGB	131, 179, 242
RGB Percent	51%, 70%, 95%
CMY	0.4863, 0.2980, 0.0510
CMYK	0.46, 0.26, 0.00, 0.05
HSL	214°, 81%, 73%
HSV	214°, 46%, 95%
XYZ	41.5072, 43.4763, 90.2085
YIQ	171.8300, -48.8310, 9.4170

Conversions

Conversions Part 2

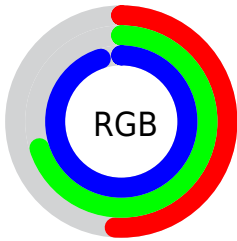
Format	Color
RYB	131, 165, 242
Decimal	8631282
CIELab	71.88, 0.56, -36.33
CIELCh	72, 36.334, 270.887
Yxy	43.4763, 0.2369, 0.2482
Android (android.graphics.Color)	4286821362 (0xFF83B3F2)
YUV	171.8300, 34.5938, -35.8079
Hunter-Lab	65.9366, -3.0229, -34.9597

Details

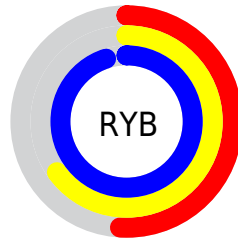
The XYZ color **41.5072, 43.4763, 90.2085** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **60.0079, 59.1013, 29.7195**, and the grayscale version is **38.9765, 41.0063, 44.6559**.

A 20% lighter version of the original color is **68.4974, 77.3280, 105.9233**, and **19.2763, 20.1798, 49.3335** is the 20% darker color. If you saturate the color by 10%, you get **35.5706, 36.5315, 89.1817**, and if you desaturate by 10%, it is **48.5963, 51.4240, 91.3697**.

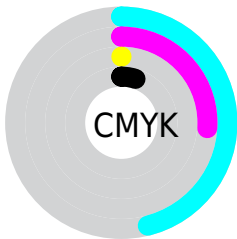
Distribution



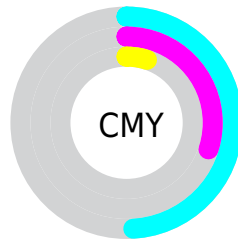
- Red (51%)
- Green (70%)
- Blue (95%)



- Red (51%)
- Yellow (65%)
- Blue (95%)



- Cyan (46%)
- Magenta (26%)
- Yellow (0%)
- Black (5%)



- Cyan (49%)
- Magenta (30%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.5072, 43.4763, 90.2085 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 41.5072, 43.4763, 90.2085 by changing the saturation by 10% instead.

■ 41.5072, 43.4763,
90.2085

■ 41.5072, 43.4763,
90.2085

343.4625,
360.5669, 549.2965

■ 28.9050, 30.2590,
67.5789

■ 76.7231, 80.4291,
149.5660

■ 19.1529, 20.0353,
49.0907

■ 100.0675,
104.9334, 187.1310

■ 11.8855, 12.4207,
34.3253

■ 127.7235,
133.9689, 230.5116

■ 6.7374, 7.0309,
22.8642

160.0562,
167.9199, 280.1262

■ 3.3433, 3.4814,
14.2889

197.4311,
207.1708, 336.3935

■ 1.3378, 1.3879,
8.1809

240.2136,

■ 0.2112, 0.2078,

252.1060, 399.7319

4.1215

288.7689,
303.1099, 470.5601

■ 0.0000, 0.0000,
1.6922

■ 0.0000, 0.0000,
0.3554

■ 41.5072, 43.4763,
90.2085

■ 41.5072, 43.4763,
90.2085

■ 35.5706, 36.5315,
89.1817

■ 48.5963, 51.4240,
91.3697

■ 30.7121, 30.5369,
88.2807

■ 56.8969, 60.4139,
92.6675

■ 26.8551, 25.4413,
87.5005

■ 66.4690, 70.4886,
94.1076

■ 23.9090, 21.1852,
86.8342

■ 77.3673, 81.6868,
95.6947

■ 21.7636, 17.6978,
86.2742

■ 89.6430, 94.0452,
97.4331

■ 21.0430, 16.4425,
86.0698

■ 93.0272, 99.1909,
98.2479

Harmonies

Analogous

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



35.8030, 43.4763, 83.7612



41.5072, 43.4763, 90.2085



47.7329, 43.4763, 82.9926

Triad

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



41.5072, 43.4763, 90.2085



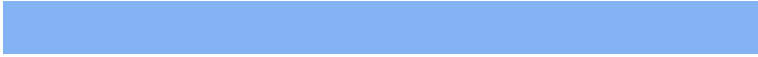
52.3912, 43.4763, 31.9196



31.7801, 43.4763, 32.6266

Complementary

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



41.5072, 43.4763, 90.2085



60.0079, 59.1013, 29.7195

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.



35.5142, 43.4763, 23.7138



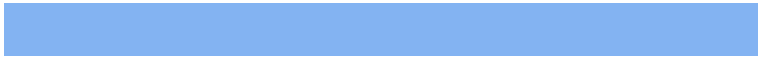
41.5072, 43.4763, 90.2085



47.3829, 43.4763, 23.3829

Square

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



41.5072, 43.4763, 90.2085



54.3899, 43.4763, 46.8133



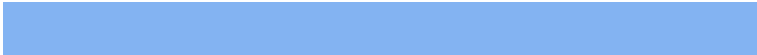
41.1392, 43.4763, 20.7984



30.5367, 43.4763, 47.8672

Rectangle

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



41.5072, 43.4763, 90.2085



51.2533, 43.4763, 72.2374



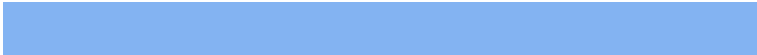
41.1392, 43.4763, 20.7984



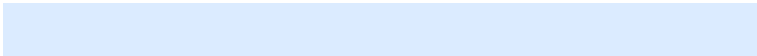
32.7659, 43.4763, 28.9399

Sweetspot

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



41.5087, 43.4779, 90.2095



76.9870, 81.5932, 106.2992



50.8400, 72.2213, 62.2423



15.9398, 16.9055, 22.6729



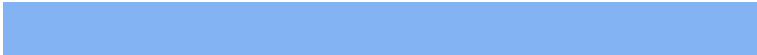
0.0000, 0.0000, 0.0000



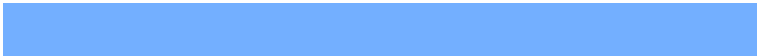
20.3446, 21.4041, 23.3091

Same Dimension

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



41.5087, 43.4779, 90.2095



40.4950, 41.6630, 100.5152



34.6925, 28.0827, 87.5972



15.4594, 16.3530, 20.0633



11.4343, 9.0929, 46.2803



1.0483, 0.9505, 3.8824

Inverse Universe

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



52.8723, 38.3662, 47.2681



55.1193, 36.5753, 44.9173



69.9790, 82.7381, 33.7563



16.0566, 15.8723, 17.8542



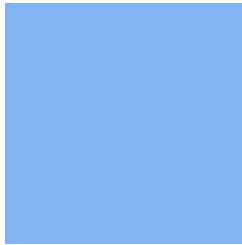
21.0971, 10.7113, 8.4280



1.8041, 0.9107, 0.9590

Previews

White Background



This preview shows how the XYZ color 41.5072, 43.4763, 90.2085 looks on a white background.

Color Contrast Check

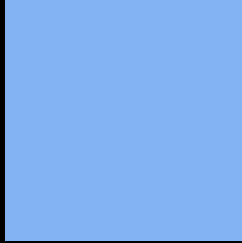
Large Text (above 18pt) WCAG AA × Fail

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 41.5072, 43.4763, 90.2085 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

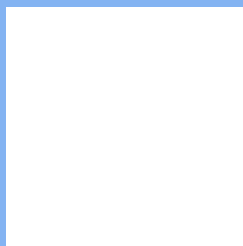
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 41.5072, 43.4763, 90.2085

Background



This preview shows how black text looks on a background with the XYZ color 41.5072, 43.4763, 90.2085.



This preview shows how white text looks on a background with the XYZ color 41.5072, 43.4763,

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

41.5072, 43.4763, 90.2085

Protanopia

44.2808, 43.2283, 86.8990

Deuteranopia

44.2581, 43.1305, 90.7864



Tritanopia

36.0387, 43.7269, 62.4178

Trichromacy



Original Color

41.5072, 43.4763, 90.2085

Protanomaly

43.1227, 43.1878, 87.7246

Deuteranomaly

43.1847, 43.1508, 90.8469

Tritanomaly

37.8333, 43.5017, 72.0483

Monochromacy



Original Color

41.5072, 43.4763, 90.2085

Achromatopsia

39.2122, 41.2543, 44.9259

Achromatomaly

39.3126, 41.8593, 58.8310

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.5072, 43.4763, 90.2085 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(131, 179, 242)` looks like.

```
.text, #text, p{  
    color:rgb(131, 179, 242)  
}
```

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(131, 179, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 179, 242) }
```

Border

The CSS property to change the border of an element to XYZ 41.5072, 43.4763, 90.2085 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(131, 179, 242) }
```


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

```
.border{ border-color:rgb(131, 179, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 179, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 179, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 179, 242);  
box-shadow:4px 4px 4px 4px rgb(131, 179,  
242) }
```

Background

The CSS property to change the background color of an element to XYZ 41.5072, 43.4763, 90.2085 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 179, 242) }
```

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

```
.background{ background-color: rgb(131,  
179, 242) }
```

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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