

Converting Colors

XYZ(41.3938, 42.2981, 91.5018)

Have a look what the booklet for
XYZ(41.3938, 42.2981, 91.5018)
contains.

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Color

**XYZ(41.3320, 42.1781,
91.5507)**

Conversions

Conversions Part 1

Format	Color
Hex	85AFF4
RGB	133, 175, 244
RGB Percent	52%, 69%, 96%
CMY	0.4784, 0.3137, 0.0431
CMYK	0.45, 0.28, 0.00, 0.04
HSL	217°, 83%, 74%
HSV	217°, 45%, 96%
XYZ	41.3320, 42.1781, 91.5507
YIQ	170.3080, -47.1810, 12.5550

Conversions

Conversions Part 2

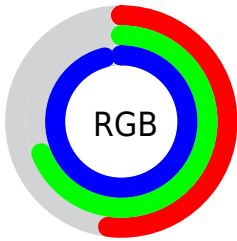
Format	Color
RYB	133, 163, 244
Decimal	8761332
CIELab	70.99, 3.84, -38.78
CIELCh	71, 38.969, 275.649
Yxy	42.1781, 0.2361, 0.2409
Android (android.graphics.Color)	4286951412 (0xFF85AFF4)
YUV	170.3080, 36.3302, -32.7191
Hunter-Lab	64.9447, -0.0524, -38.1182

Details

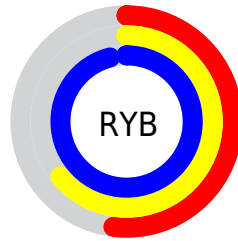
The XYZ color **41.3320, 42.1781, 91.5507** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **62.6640, 63.1697, 31.0825**, and the grayscale version is **38.2046, 40.1942, 43.7715**.

A 20% lighter version of the original color is **67.5820, 74.7608, 105.4761**, and **19.0331, 19.2903, 49.7340** is the 20% darker color. If you saturate the color by 10%, you get **35.1297, 34.8423, 90.4624**, and if you desaturate by 10%, it is **48.7636, 50.6415, 92.7934**.

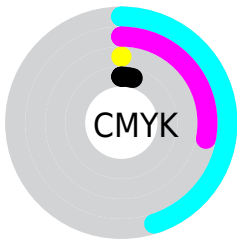
Distribution



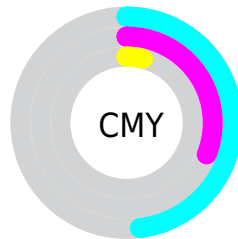
- Red (52%)
- Green (69%)
- Blue (96%)



- Red (52%)
- Yellow (64%)
- Blue (96%)



- Cyan (45%)
- Magenta (28%)
- Yellow (0%)
- Black (4%)



- Cyan (48%)
- Magenta (31%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.3320, 42.1781, 91.5507 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 41.3320, 42.1781, 91.5507 by changing the saturation by 10% instead.

■ 41.3320, 42.1781,
91.5507

■ 41.3320, 42.1781,
91.5507

342.7452,
355.2207, 553.7621

■ 28.7674, 29.2408,
68.6866

■ 76.4592, 78.4691,
151.4448

■ 19.0483, 19.2630,
49.9863

■ 99.7524, 102.5916,
189.3119

■ 11.8094, 11.8605,
35.0314

■ 127.3526,
131.2112, 233.0170

■ 6.6853, 6.6488,
23.4033

159.6251,
164.7124, 282.9786

■ 3.3107, 3.2434,
14.6835

196.9353,
203.4795, 339.6155

■ 1.3201, 1.2601,
8.4534

239.6485,

■ 0.1982, 0.1100,

247.8971, 403.3460

4.2945

288.1300,
298.3493, 474.5887

■ 0.0000, 0.0000,
1.7883

■ 0.0000, 0.0000,
0.4202

■ 41.3320, 42.1781,
91.5507

■ 41.3320, 42.1781,
91.5507

■ 35.1297, 34.8423,
90.4624

■ 48.7636, 50.6415,
92.7934

■ 30.0784, 28.5751,
89.5190

■ 57.4872, 60.2778,
94.1936

■ 26.0972, 23.3186,
88.7142

■ 67.5663, 71.1355,
95.7581

■ 23.0910, 19.0056,
88.0402

■ 79.0589, 83.2585,
97.4924

■ 20.9447, 15.5575,
87.4877

■ 92.0171, 96.6874,
99.4014

■ 20.1844, 14.2419,
87.2739

■ 93.3293, 99.3117,
99.8388

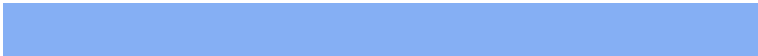
Harmonies

Analogous

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



35.1531, 42.1781, 86.8643



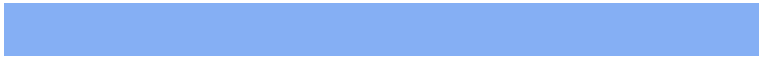
41.3320, 42.1781, 91.5507



47.8238, 42.1781, 81.5859

Triad

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



41.3320, 42.1781, 91.5507



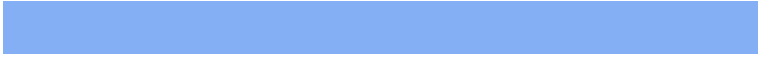
51.1275, 42.1781, 28.0619



29.7462, 42.1781, 32.6900

Complementary

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



41.3320, 42.1781, 91.5507



62.6640, 63.1697, 31.0825

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.



33.2367, 42.1781, 22.5460



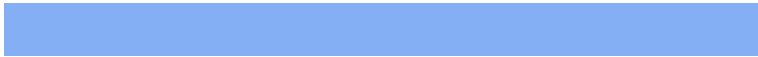
41.3320, 42.1781, 91.5507



45.4666, 42.1781, 20.4235

Square

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



41.3320, 42.1781, 91.5507



53.8579, 42.1781, 42.4905



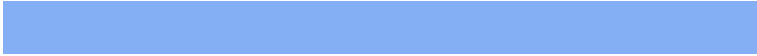
38.8712, 42.1781, 18.7192



28.8929, 42.1781, 49.5393

Rectangle

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



41.3320, 42.1781, 91.5507



51.3188, 42.1781, 69.2287



38.8712, 42.1781, 18.7192



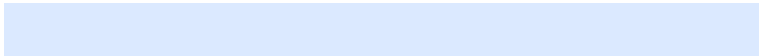
30.6300, 42.1781, 28.5431

Sweetspot

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



41.3335, 42.1797, 91.5517



76.4383, 80.4957, 106.1162



52.6207, 73.9273, 67.0340



15.8068, 16.6394, 22.6286



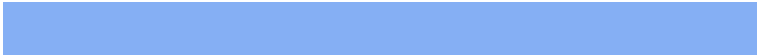
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



41.3335, 42.1797, 91.5517



39.0561, 38.7853, 100.0356



36.5636, 29.4151, 89.3393



16.0950, 16.9543, 20.9668



11.0962, 7.9863, 47.4947



1.0709, 0.8933, 4.2062

Inverse Universe

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



53.4350, 39.1051, 45.2905



54.3930, 36.2848, 41.0929



69.5566, 83.3931, 34.6227



16.7585, 16.5863, 18.4749



21.4054, 10.9056, 6.8431



1.9296, 0.9778, 0.8558

Previews

White Background



This preview shows how the XYZ color 41.3320, 42.1781, 91.5507 looks on a white background.

Color Contrast Check

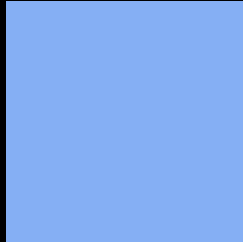
Large Text (above 18pt) WCAG AA × Fail

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 41.3320, 42.1781, 91.5507 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

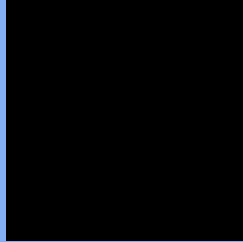
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

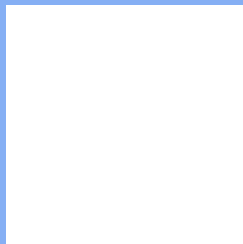
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 41.3320, 42.1781, 91.5507

Background



This preview shows how black text looks on a background with the XYZ color 41.3320, 42.1781, 91.5507.



This preview shows how white text looks on a background with the XYZ color 41.3320, 42.1781,

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

41.3320, 42.1781, 91.5507

Protanopia

43.3890, 42.1521, 89.0684

Deuteranopia

43.0770, 41.9214, 92.2074



Tritanopia

35.0793, 42.3513, 59.7518

Trichromacy



Original Color

41.3320, 42.1781, 91.5507

Protanomaly

42.4566, 41.9356, 89.8611

Deuteranomaly

42.3893, 41.8484, 92.2296

Tritanomaly

37.2471, 42.3140, 70.4943

Monochromacy



Original Color

41.3320, 42.1781, 91.5507

Achromatopsia

38.2080, 40.1978, 43.7754

Achromatomaly

38.7352, 40.7044, 58.6385

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.3320, 42.1781, 91.5507 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(133, 175, 244)` looks like.

```
.text, #text, p{  
    color:rgb(133, 175, 244)  
}
```

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(133, 175, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 175, 244) }
```

Border

The CSS property to change the border of an element to XYZ 41.3320, 42.1781, 91.5507 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(133, 175, 244) }
```


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

```
.border{ border-color:rgb(133, 175, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 175, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 175, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 175, 244);  
box-shadow:4px 4px 4px 4px rgb(133, 175,  
244) }
```

Background

The CSS property to change the background color of an element to XYZ 41.3320, 42.1781, 91.5507 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 175, 244) }
```

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

```
.background{ background-color: rgb(133,  
175, 244) }
```

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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