

Converting Colors

XYZ(41.1436, 45.3168, 70.3372)

Have a look what the booklet for
XYZ(41.1436, 45.3168, 70.3372)
contains.

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Color

**XYZ(41.1321, 45.2470,
70.1840)**

Conversions

Conversions Part 1

Format	Color
Hex	92B8D6
RGB	146, 184, 214
RGB Percent	57%, 72%, 84%
CMY	0.4274, 0.2784, 0.1608
CMYK	0.32, 0.14, 0.00, 0.16
HSL	206°, 45%, 71%
HSV	206°, 32%, 84%
XYZ	41.1321, 45.2470, 70.1840
YIQ	176.0580, -32.2780, 1.2740

Conversions

Conversions Part 2

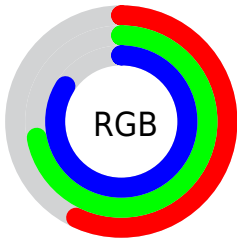
Format	Color
R _Y B	146, 170, 214
Decimal	9615574
CIE Lab	73.05, -5.66, -19.22
CIE LCh	73, 20.039, 253.599
Yxy	45.2470, 0.2627, 0.2890
Android (android.graphics.Color)	4287805654 (0xFF92B8D6)
YUV	176.0580, 18.7054, -26.3609
Hunter-Lab	67.2659, -8.5652, -14.7760

Details

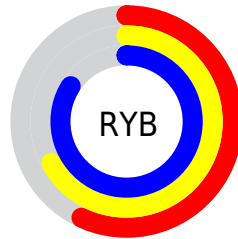
The XYZ color **41.1321, 45.2470, 70.1840** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **48.4458, 47.4225, 33.7953**, and the grayscale version is **41.2158, 43.3622, 47.2214**.

A 20% lighter version of the original color is **73.2975, 81.9577, 106.5640**, and **18.8885, 21.0630, 35.8709** is the 20% darker color. If you saturate the color by 10%, you get **35.7823, 39.6753, 69.3913**, and if you desaturate by 10%, it is **47.3277, 51.4512, 71.0558**.

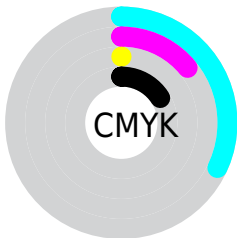
Distribution



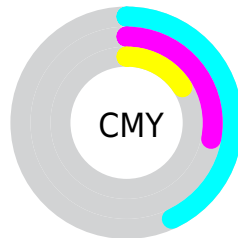
- Red (57%)
- Green (72%)
- Blue (84%)



- Red (57%)
- Yellow (67%)
- Blue (84%)



- Cyan (32%)
- Magenta (14%)
- Yellow (0%)
- Black (16%)



- Cyan (43%)
- Magenta (28%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.1321, 45.2470, 70.1840 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 41.1321, 45.2470, 70.1840 by changing the saturation by 10% instead.

■ 41.1321, 45.2470,
70.1840

■ 41.1321, 45.2470,
70.1840

341.9256,
367.7730, 480.0024

■ 28.6104, 31.6520,
51.1988

■ 76.1578, 83.0909,
121.1547

■ 18.9291, 21.0958,
35.9890

■ 99.3926, 108.1087,
153.9773

■ 11.7228, 13.1941,
24.1361

126.9291,
137.7028, 192.2494

■ 6.6261, 7.5623,
15.2215

159.1328,
172.2577, 236.3897

■ 3.2736, 3.8162,
8.8266

196.3689,
212.1578, 286.8165

■ 1.3000, 1.5713,
4.5330

239.0028,

■ 0.1833, 0.3381,

257.7874, 343.9486

1.9221

287.3999,
309.5310, 408.2044

■ 0.0000, 0.0000,
0.5067

■ 0.0000, 0.0000,
0.0000

■ 41.1321, 45.2470,
70.1840

■ 41.1321, 45.2470,
70.1840

■ 35.7823, 39.6753,
69.3913

■ 47.3277, 51.4512,
71.0558

■ 31.2317, 34.7050,
68.6718

■ 54.4039, 58.3063,
72.0060

■ 27.4353, 30.3102,
68.0236

■ 62.3989, 65.8365,
73.0381

■ 24.3417, 26.4604,
67.4436

■ 71.3470, 74.0631,
74.1543

■ 21.8918, 23.1210,
66.9281

■ 81.2809, 83.0062,
75.3570

■ 20.0157, 20.2516,
66.4731

■ 84.7289, 88.8174,
76.2969

■ 18.8055, 18.1906,
66.1391

■ 87.5909, 94.5413,
77.2509

■ 89.1378, 97.6351,
77.7665

Harmonies

Analogous

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



38.3105, 45.2470, 63.8014



41.1321, 45.2470, 70.1840



44.6091, 45.2470, 70.4935

Triad

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



41.1321, 45.2470, 70.1840



49.8901, 45.2470, 44.8686



38.5264, 45.2470, 36.5761

Complementary

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



41.1321, 45.2470, 70.1840



48.4458, 47.4225, 33.7953

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.



41.4416, 45.2470, 32.7956



41.1321, 45.2470, 70.1840



48.0701, 45.2470, 37.1255

Square

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



41.1321, 45.2470, 70.1840



49.7961, 45.2470, 54.9158



44.9358, 45.2470, 32.9820



36.8629, 45.2470, 44.0182

Rectangle

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



41.1321, 45.2470, 70.1840



46.8418, 45.2470, 67.1426



44.9358, 45.2470, 32.9820



39.3854, 45.2470, 34.8830

Sweetspot

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



41.1335, 45.2488, 70.1850



82.7986, 88.5118, 107.3283



43.6854, 57.3186, 49.5604



17.3781, 18.6174, 22.9275



0.0000, 0.0000, 0.0000



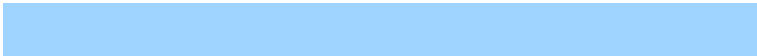
20.3446, 21.4041, 23.3091

Same Dimension

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



41.1335, 45.2488, 70.1850



55.7769, 61.7125, 103.5797



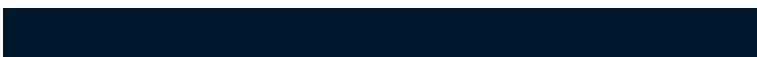
34.9844, 32.9505, 68.1353



12.3125, 13.1483, 15.8265



11.4719, 11.2056, 40.0114



0.7738, 0.8396, 2.4406

Inverse Universe

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



46.6633, 38.3158, 50.2856



65.3995, 50.5141, 68.7577



55.8359, 62.2026, 36.2587



12.7109, 12.5359, 14.4179



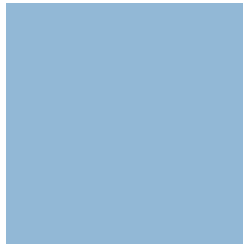
18.8493, 9.4761, 11.7766



1.1782, 0.5881, 0.9279

Previews

White Background



This preview shows how the XYZ color 41.1321, 45.2470, 70.1840 looks on a white background.

Color Contrast Check

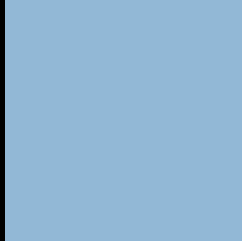
Large Text (above 18pt) WCAG AA × Fail

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 41.1321, 45.2470, 70.1840 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 41.1321, 45.2470, 70.1840

Background



This preview shows how black text looks on a background with the XYZ color 41.1321, 45.2470, 70.1840.



This preview shows how white text looks on a background with the XYZ color 41.1321, 45.2470,

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

41.1321, 45.2470, 70.1840

Protanopia

44.5886, 44.9817, 67.3050

Deuteranopia

46.0847, 45.0828, 71.2387



Tritanopia

39.4292, 45.1745, 61.8997

Trichromacy



Original Color

41.1321, 45.2470, 70.1840

Protanomaly

43.1834, 45.1322, 68.0634

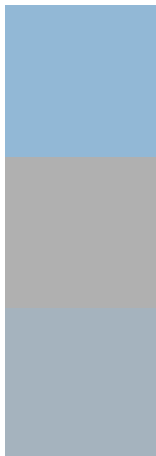
Deuteranomaly

43.9120, 44.8541, 70.6333

Tritanomaly

39.9911, 45.0834, 64.9867

Monochromacy



Original Color

41.1321, 45.2470, 70.1840

Achromatopsia

41.2663, 43.4154, 47.2793

Achromatomaly

40.9314, 43.9572, 55.0425

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.1321, 45.2470, 70.1840 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(146, 184, 214)` looks like.

```
.text, #text, p{  
    color:rgb(146, 184, 214)  
}
```

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(146, 184, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 184, 214) }
```

Border

The CSS property to change the border of an element to XYZ 41.1321, 45.2470, 70.1840 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(146, 184, 214) }
```


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

```
.border{ border-color:rgb(146, 184, 214) }
```

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

Here you see how a box with a 4 pixel rgb(146, 184, 214) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 184, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 184, 214);  
box-shadow:4px 4px 4px 4px rgb(146, 184,  
214) }
```

Background

The CSS property to change the background color of an element to XYZ 41.1321, 45.2470, 70.1840 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 184, 214) }
```

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

```
.background{ background-color: rgb(146,  
184, 214) }
```

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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