

Converting Colors

XYZ(41.8604, 45.5059, 75.6733)

Have a look what the booklet for
XYZ(41.8604, 45.5059, 75.6733)
contains.

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Color

**XYZ(41.8269, 45.4842,
75.6821)**

Conversions

Conversions Part 1

Format	Color
Hex	90B8DE
RGB	144, 184, 222
RGB Percent	56%, 72%, 87%
CMY	0.4353, 0.2784, 0.1294
CMYK	0.35, 0.17, 0.00, 0.13
HSL	209°, 54%, 72%
HSV	209°, 35%, 87%
XYZ	41.8269, 45.4842, 75.6821
YIQ	176.3720, -36.0380, 3.3380

Conversions

Conversions Part 2

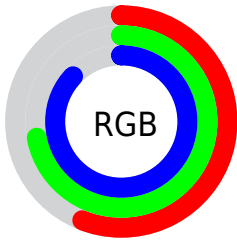
Format	Color
RYB	144, 170, 222
Decimal	9484510
CIELab	73.21, -4.21, -23.35
CIELCh	73, 23.730, 259.781
Yxy	45.4842, 0.2566, 0.2791
Android (android.graphics.Color)	4287674590 (0xFF90B8DE)
YUV	176.3720, 22.4946, -28.3902
Hunter-Lab	67.4420, -7.3194, -19.3247

Details

The XYZ color **41.8269, 45.4842, 75.6821** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **51.8870, 50.9999, 33.4961**, and the grayscale version is **41.3618, 43.5158, 47.3888**.

A 20% lighter version of the original color is **73.0295, 81.8195, 106.5514**, and **19.3078, 21.1963, 39.6329** is the 20% darker color. If you saturate the color by 10%, you get **36.1629, 39.3566, 74.7987**, and if you desaturate by 10%, it is **48.4280, 52.3519, 76.6606**.

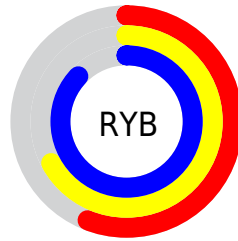
Distribution



Red (56%)

Green (72%)

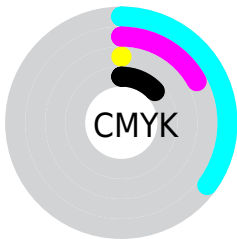
Blue (87%)



Red (56%)

Yellow (67%)

Blue (87%)

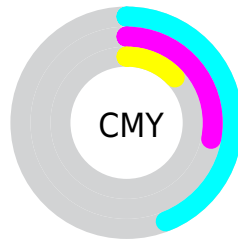


Cyan (35%)

Magenta (17%)

Yellow (0%)

Black (13%)



Cyan (44%)

Magenta (28%)

Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.8269, 45.4842, 75.6821 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 41.8269, 45.4842, 75.6821 by changing the saturation by 10% instead.

■ 41.8269, 45.4842,
75.6821

■ 41.8269, 45.4842,
75.6821

344.7687,
368.7311, 499.5766

■ 29.1563, 31.8390,
55.6668

■ 77.2044, 83.4465,
129.0334

■ 19.3440, 21.2385,
39.5336

■ 100.6420,
108.5324, 163.2065

■ 12.0246, 13.2985,
26.8641

128.3993,
138.2007, 202.9359

■ 6.8327, 7.6344,
17.2396

160.8416,
172.8357, 248.6401

■ 3.4031, 3.8619,
10.2417

198.3344,
212.8218, 300.7378

■ 1.3703, 1.5966,
5.4518

241.2429,

■ 0.2349, 0.3553,

258.5435, 359.6474

2.4514

289.9326,
310.3851, 425.7875

■ 0.0000, 0.0000,
0.8142

■ 0.0000, 0.0000,
0.0000

■ 41.8269, 45.4842,
75.6821

■ 41.8269, 45.4842,
75.6821

■ 36.1629, 39.3566,
74.7987

■ 48.4280, 52.3519,
76.6606

■ 31.3829, 33.9331,
74.0038

■ 56.0068, 59.9831,
77.7341

■ 27.4348, 29.1819,
73.2948

■ 64.6065, 68.4064,
78.9067

■ 24.2587, 25.0660,
72.6677

■ 74.2665, 77.6473,
80.1812

■ 21.7853, 21.5434,
72.1182

■ 85.0225, 87.7291,
81.5603

■ 19.9306, 18.5643,
71.6409

■ 88.2679, 94.2199,
82.6421

■ 19.1854, 17.2748,
71.4313

■ 90.1850, 98.0540,
83.2811

Harmonies

Analogous

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



38.2664, 45.4842, 69.1708



41.8269, 45.4842, 75.6821



45.9971, 45.4842, 74.3775

Triad

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



41.8269, 45.4842, 75.6821



51.2088, 45.4842, 42.1649



37.4032, 45.4842, 36.1489

Complementary

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



41.8269, 45.4842, 75.6821



51.8870, 50.9999, 33.4961

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.



40.5788, 45.4842, 30.9346



41.8269, 45.4842, 75.6821



48.6082, 45.4842, 34.0024

Square

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



41.8269, 45.4842, 75.6821



51.5964, 45.4842, 53.7035



44.6669, 45.4842, 30.2176



35.8232, 45.4842, 45.5682

Rectangle

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



41.8269, 45.4842, 75.6821



48.5576, 45.4842, 69.3116



44.6669, 45.4842, 30.2176



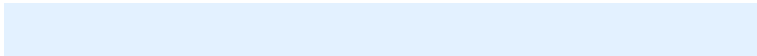
38.3096, 45.4842, 33.9148

Sweetspot

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



41.8284, 45.4860, 75.6832



81.2673, 86.6519, 107.0500



46.0365, 61.5379, 53.5465



17.0571, 18.2151, 22.8668



0.0000, 0.0000, 0.0000



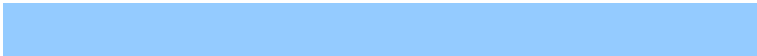
20.3446, 21.4041, 23.3091

Same Dimension

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



41.8284, 45.4860, 75.6832



51.5592, 56.1357, 102.7255



34.8590, 31.5472, 73.3600



13.5304, 14.3999, 17.4540



11.5074, 10.4844, 42.4655



0.8872, 0.9059, 2.9733

Inverse Universe

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



48.7504, 38.9381, 50.2956



62.5728, 46.7119, 62.1088



60.9365, 69.0988, 36.5126



13.9992, 13.8173, 15.7658



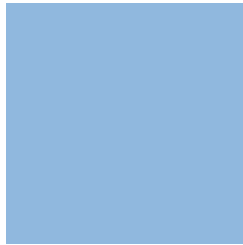
19.7486, 9.9664, 10.6079



1.4141, 0.7089, 0.9734

Previews

White Background



This preview shows how the XYZ color 41.8269, 45.4842, 75.6821 looks on a white background.

Color Contrast Check

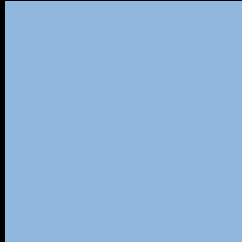
Large Text (above 18pt) WCAG AA × Fail

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 41.8269, 45.4842, 75.6821 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

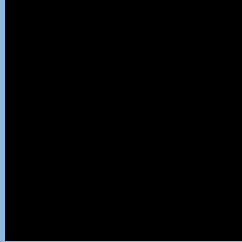
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

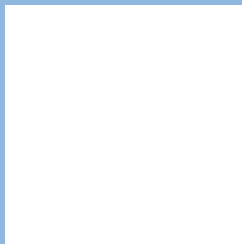
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 41.8269, 45.4842, 75.6821

Background



This preview shows how black text looks on a background with the XYZ color 41.8269, 45.4842, 75.6821.



This preview shows how white text looks on a background with the XYZ color 41.8269, 45.4842,

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

41.8269, 45.4842, 75.6821

Protanopia

45.1528, 45.4488, 72.7224

Deuteranopia

46.4354, 45.4312, 76.8427



Tritanopia

39.0785, 45.2939, 62.5601

Trichromacy



Original Color

41.8269, 45.4842, 75.6821

Protanomaly

43.8054, 45.3341, 73.4594

Deuteranomaly

44.5436, 45.3544, 76.2186

Tritanomaly

40.0520, 45.3840, 66.9706

Monochromacy



Original Color

41.8269, 45.4842, 75.6821

Achromatopsia

41.2663, 43.4154, 47.2793

Achromatomaly

41.0556, 43.9830, 56.7778

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.8269, 45.4842, 75.6821 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(144, 184, 222)` looks like.

```
.text, #text, p{  
    color:rgb(144, 184, 222)  
}
```

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(144, 184, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 184, 222) }
```

Border

The CSS property to change the border of an element to XYZ 41.8269, 45.4842, 75.6821 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(144, 184, 222) }
```


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

```
.border{ border-color:rgb(144, 184, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 184, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 184, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 184, 222);  
box-shadow:4px 4px 4px 4px rgb(144, 184,  
222) }
```

Background

The CSS property to change the background color of an element to XYZ 41.8269, 45.4842, 75.6821 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 184, 222) }
```

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

```
.background{ background-color: rgb(144,  
184, 222) }
```

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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