

Converting Colors

XYZ(42.2047, 50.9591, 78.8458)

Have a look what the booklet for
XYZ(42.2047, 50.9591, 78.8458)
contains.

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Color

**XYZ(42.1300, 50.8097,
78.8209)**

Conversions

Conversions Part 1

Format	Color
Hex	79C8E1
RGB	121, 200, 225
RGB Percent	47%, 78%, 88%
CMY	0.5255, 0.2157, 0.1176
CMYK	0.46, 0.11, 0.00, 0.12
HSL	194°, 63%, 68%
HSV	194°, 46%, 88%
XYZ	42.1300, 50.8097, 78.8209
YIQ	179.2290, -55.1090, -8.9730

Conversions

Conversions Part 2

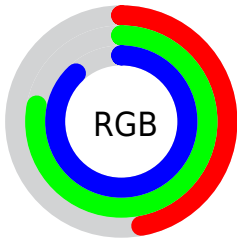
Format	Color
R_{YB}	121, 166, 225
Decimal	7981281
CIE _{Lab}	76.56, -17.75, -19.99
CIE _{LCh}	77, 26.731, 228.392
Yxy	50.8097, 0.2453, 0.2958
Android (android.graphics.Color)	4286171361 (0xFF79C8E1)
YUV	179.2290, 22.5651, -51.0668
Hunter-Lab	71.2809, -19.2407, -15.6650

Details

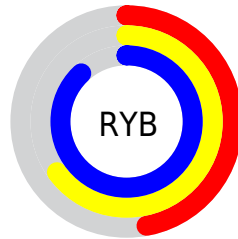
The XYZ color **42.1300, 50.8097, 78.8209** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **44.7825, 37.9469, 23.0548**, and the grayscale version is **42.8756, 45.1085, 49.1232**.

A 20% lighter version of the original color is **72.1701, 88.2050, 107.8292**, and **19.5845, 24.5168, 41.7302** is the 20% darker color. If you saturate the color by 10%, you get **38.1068, 46.9100, 78.2811**, and if you desaturate by 10%, it is **46.9360, 55.1810, 79.4122**.

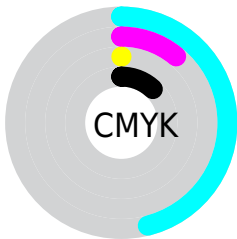
Distribution



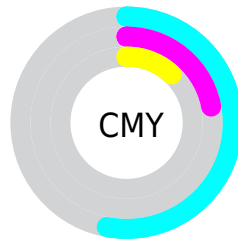
- Red (47%)
- Green (78%)
- Blue (88%)



- Red (47%)
- Yellow (65%)
- Blue (88%)



- Cyan (46%)
- Magenta (11%)
- Yellow (0%)
- Black (12%)



- Cyan (53%)
- Magenta (22%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.1300, 50.8097, 78.8209 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 42.1300, 50.8097, 78.8209 by changing the saturation by 10% instead.

■ 42.1300, 50.8097,
78.8209

■ 42.1300, 50.8097,
78.8209

346.0040,
389.8240, 510.5518

■ 29.3947, 36.0572,
58.2281

■ 77.6603, 91.3734,
133.5031

■ 19.5254, 24.4784,
41.5762

■ 101.1859,
117.9534, 168.4295

■ 12.1567, 15.6888,
28.4465

■ 129.0390,
149.2447, 208.9710

■ 6.9235, 9.3042,
18.4205

161.5849,
185.6316, 255.5460

■ 3.4602, 4.9402,
11.0798

199.1890,
227.4986, 308.5730

■ 1.4015, 2.2122,
6.0057

242.2167,

■ 0.2573, 0.7266,

275.2301, 368.4706

2.7797

291.0332,
329.2104, 435.6574

■ 0.0000, 0.0000,
0.9833

■ 0.0000, 0.0000,
0.0000

■ 42.1300, 50.8097,
78.8209

■ 42.1300, 50.8097,
78.8209

■ 38.1068, 46.9100,
78.2811

■ 46.9360, 55.1810,
79.4122

■ 34.8093, 43.4484,
77.7868

■ 52.5673, 60.0430,
80.0539

■ 32.1800, 40.3957,
77.3361

■ 59.0689, 65.4208,
80.7493

■ 30.1500, 37.7157,
76.9258

■ 66.4811, 71.3358,
81.5003

■ 28.6333, 35.3634,
76.5517

■ 74.8417, 77.8081,
82.3089

■ 28.1380, 34.5308,
76.4171

■ 83.8153, 84.6653,
83.1595

■ 85.3652, 87.7652,
83.6762

■ 86.9624, 90.9596,
84.2086

■ 88.6073, 94.2494,
84.7569

Harmonies

Analogous

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



39.6553, 50.8097, 64.5661



42.1300, 50.8097, 78.8209



46.3662, 50.8097, 87.2663

Triad

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



42.1300, 50.8097, 78.8209



58.4390, 50.8097, 61.1074



45.2947, 50.8097, 32.9143

Complementary

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



42.1300, 50.8097, 78.8209



44.7825, 37.9469, 23.0548

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.



50.2727, 50.8097, 32.3157



42.1300, 50.8097, 78.8209



58.1021, 50.8097, 47.0073

Square

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



42.1300, 50.8097, 78.8209



55.9206, 50.8097, 75.9121



55.0297, 50.8097, 37.0318



41.3928, 50.8097, 38.8404

Rectangle

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



42.1300, 50.8097, 78.8209



49.7237, 50.8097, 87.6339



55.0297, 50.8097, 37.0318



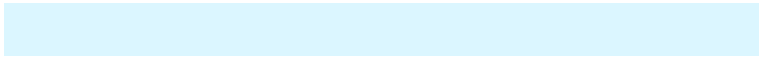
46.8902, 50.8097, 32.1267

Sweetspot

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



42.1316, 50.8116, 78.8221



80.4370, 88.4932, 107.4491



39.9431, 59.9691, 36.3675



16.7817, 18.5892, 22.9535



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.



42.1316, 50.8116, 78.8221



51.0199, 62.7129, 104.0235



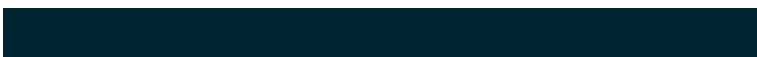
32.1824, 30.9133, 75.5057



13.8228, 14.9848, 17.5515



16.3092, 20.0880, 44.0661



1.1983, 1.5281, 3.0770

Inverse Universe

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



48.3153, 33.8539, 58.6335



60.4318, 38.7003, 72.8926



54.5305, 57.4430, 26.3042



14.1468, 13.8763, 16.5432



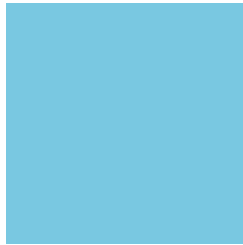
22.1723, 10.9359, 23.3710



1.5711, 0.7717, 1.8003

Previews

White Background



This preview shows how the XYZ color 42.1300, 50.8097, 78.8209 looks on a white background.

Color Contrast Check

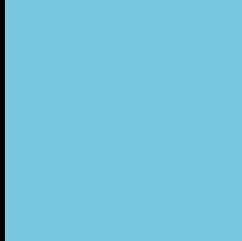
Large Text (above 18pt) WCAG AA × Fail

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 42.1300, 50.8097, 78.8209 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 42.1300, 50.8097, 78.8209

Background



This preview shows how black text looks on a background with the XYZ color 42.1300, 50.8097, 78.8209.



This preview shows how white text looks on a background with the XYZ color 42.1300, 50.8097,

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

42.1300, 50.8097, 78.8209

Protanopia

49.4820, 50.1430, 72.0363

Deuteranopia

51.3938, 50.3215, 80.4031



Tritanopia

41.0188, 50.7050, 73.2708

Trichromacy



Original Color

42.1300, 50.8097, 78.8209

Protanomaly

45.9142, 49.8497, 74.2198

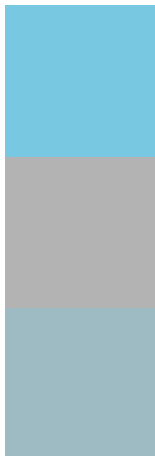
Deuteranomaly

47.1789, 50.0543, 79.8479

Tritanomaly

41.5506, 50.9337, 75.3514

Monochromacy



Original Color

42.1300, 50.8097, 78.8209

Achromatopsia

42.8472, 45.0786, 49.0906

Achromatomaly

41.8347, 46.7953, 59.0520

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.1300, 50.8097, 78.8209 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(121, 200, 225)` looks like.

```
.text, #text, p{  
    color:rgb(121, 200, 225)  
}
```

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(121, 200, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 200, 225) }
```

Border

The CSS property to change the border of an element to XYZ 42.1300, 50.8097, 78.8209 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(121, 200, 225) }
```


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

```
.border{ border-color:rgb(121, 200, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 200, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 200, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 200, 225);  
box-shadow:4px 4px 4px 4px rgb(121, 200,  
225) }
```

Background

The CSS property to change the background color of an element to XYZ 42.1300, 50.8097, 78.8209 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 200, 225) }
```

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

```
.background{ background-color: rgb(121,  
200, 225) }
```

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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