

Converting Colors

XYZ(42.3586, 48.0973, 76.4847)

Have a look what the booklet for
XYZ(42.3586, 48.0973, 76.4847)
contains.

XYZ(42.1321, 47.8539, 76.1234)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(42.1321, 47.8539,
76.1234)**

Conversions

Conversions Part 1

Format	Color
Hex	89BFDE
RGB	137, 191, 222
RGB Percent	54%, 75%, 87%
CMY	0.4627, 0.2510, 0.1294
CMYK	0.38, 0.14, 0.00, 0.13
HSL	202°, 56%, 70%
HSV	202°, 38%, 87%
XYZ	42.1321, 47.8539, 76.1234
YIQ	178.3880, -42.1350, -1.8070

Conversions

Conversions Part 2

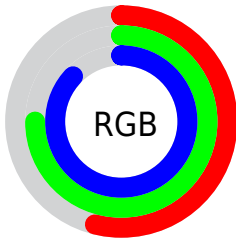
Format	Color
R_{YB}	137, 170, 222
Decimal	9027550
CIE _{Lab}	74.73, -9.85, -21.07
CIE _{LCh}	75, 23.261, 244.941
Yxy	47.8539, 0.2536, 0.2881
Android (android.graphics.Color)	4287217630 (0xFF89BFDE)
YUV	178.3880, 21.5007, -36.2973
Hunter-Lab	69.1765, -12.3431, -16.8205

Details

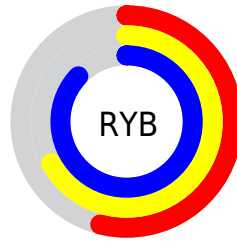
The XYZ color **42.1321, 47.8539, 76.1234** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **48.6430, 45.3417, 29.8562**, and the grayscale version is **42.4292, 44.6388, 48.6117**.

A 20% lighter version of the original color is **73.3031, 85.0790, 107.1661**, and **19.6308, 22.8060, 39.9266** is the 20% darker color. If you saturate the color by 10%, you get **37.1437, 42.7343, 75.3990**, and if you desaturate by 10%, it is **47.9698, 53.5584, 76.9176**.

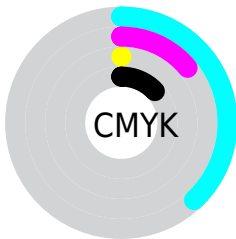
Distribution



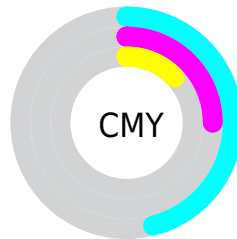
- Red (54%)
- Green (75%)
- Blue (87%)



- Red (54%)
- Yellow (67%)
- Blue (87%)



- Cyan (38%)
- Magenta (14%)
- Yellow (0%)
- Black (13%)



- Cyan (46%)
- Magenta (25%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.1321, 47.8539, 76.1234 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 42.1321, 47.8539, 76.1234 by changing the saturation by 10% instead.

■ 42.1321, 47.8539,
76.1234

■ 42.1321, 47.8539,
76.1234

346.0126,
378.2127, 501.1281

■ 29.3963, 33.7112,
56.0264

■ 77.6634, 86.9868,
129.6630

■ 19.5266, 22.6718,
39.8200

■ 101.1897,
112.7459, 163.9427

■ 12.1577, 14.3514,
27.0855

■ 129.0434,
143.1458, 203.7871

■ 6.9241, 8.3655,
17.4044

161.5901,
178.5710, 249.6147

■ 3.4606, 4.3297,
10.3583

199.1950,
219.4059, 301.8441

■ 1.4018, 1.8596,
5.5284

242.2234,

■ 0.2575, 0.5239,

266.0349, 360.8938

2.4964

291.0408,
318.8424, 427.1822

■ 0.0000, 0.0000,
0.8383

■ 0.0000, 0.0000,
0.0000

■ 42.1321, 47.8539,
76.1234

■ 42.1321, 47.8539,
76.1234

■ 37.1437, 42.7343,
75.3990

■ 47.9698, 53.5584,
76.9176

■ 32.9524, 38.1670,
74.7383

■ 54.6961, 59.8672,
77.7808

■ 29.5065, 34.1243,
74.1396

■ 62.3531, 66.8051,
78.7164

■ 26.7462, 30.5727,
73.5996

■ 70.9790, 74.3940,
79.7266

■ 24.6010, 27.4736,
73.1144

■ 80.6094, 82.6544,
80.8134

■ 22.9692, 24.7718,
72.6789

■ 85.4616, 88.6073,
81.7067

■ 22.7158, 24.3355,
72.6081

■ 87.8930, 93.4700,
82.5172

■ 90.1850, 98.0540,
83.2812

Harmonies

Analogous

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



39.1499, 47.8539, 66.5826



42.1321, 47.8539, 76.1234



46.1863, 47.8539, 78.8613

Triad

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



42.1321, 47.8539, 76.1234



54.0579, 47.8539, 50.1284



40.9921, 47.8539, 35.2795

Complementary

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



42.1321, 47.8539, 76.1234



48.6430, 45.3417, 29.8562

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.



44.7883, 47.8539, 32.2092



42.1321, 47.8539, 76.1234



52.4662, 47.8539, 39.8942

Square

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



42.1321, 47.8539, 76.1234



53.2388, 47.8539, 62.5824



49.0085, 47.8539, 33.7583



38.5208, 47.8539, 42.8671

Rectangle

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



42.1321, 47.8539, 76.1234



48.9925, 47.8539, 76.1495



49.0085, 47.8539, 33.7583



42.1465, 47.8539, 33.7431

Sweetspot

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



42.1336, 47.8558, 76.1245



82.2958, 88.7088, 107.3928



43.3909, 60.3427, 45.7998



17.3024, 18.7057, 22.9486



0.0000, 0.0000, 0.0000



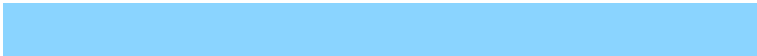
20.3446, 21.4041, 23.3091

Same Dimension

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



42.1336, 47.8558, 76.1245



52.0807, 59.7958, 103.4045



34.3690, 32.3266, 73.5363



13.6744, 14.6878, 17.5020



13.6018, 14.6731, 43.1637



1.0271, 1.1857, 3.0200

Inverse Universe

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



48.4751, 37.1838, 53.9145



62.1972, 44.1157, 67.6713



57.5024, 63.0605, 32.8093



14.0718, 13.8464, 16.1485



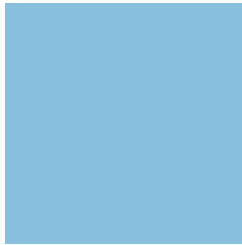
20.8058, 10.3893, 16.1747



1.4847, 0.7372, 1.3453

Previews

White Background



This preview shows how the XYZ color 42.1321, 47.8539, 76.1234 looks on a white background.

Color Contrast Check

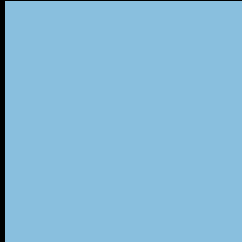
Large Text (above 18pt) WCAG AA × Fail

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 42.1321, 47.8539, 76.1234 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 42.1321, 47.8539, 76.1234

Background



This preview shows how black text looks on a background with the XYZ color 42.1321, 47.8539, 76.1234.



This preview shows how white text looks on a background with the XYZ color 42.1321, 47.8539,

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

42.1321, 47.8539, 76.1234

Protanopia

47.2541, 47.7609, 71.6940

Deuteranopia

48.3970, 47.3253, 77.1049



Tritanopia

40.4101, 47.8117, 67.4203

Trichromacy



Original Color

42.1321, 47.8539, 76.1234

Protanomaly

44.9041, 47.4413, 73.1200

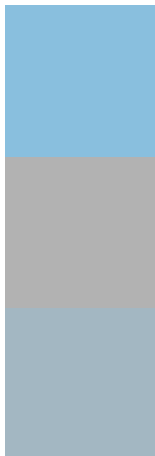
Deuteranomaly

45.5626, 47.0872, 76.4994

Tritanomaly

40.9789, 47.7052, 70.6665

Monochromacy



Original Color

42.1321, 47.8539, 76.1234

Achromatopsia

42.3164, 44.5201, 48.4824

Achromatomaly

41.7753, 45.5485, 57.6289

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.1321, 47.8539, 76.1234 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(137, 191, 222)` looks like.

```
.text, #text, p{  
    color:rgb(137, 191, 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(137, 191, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 191, 222) }
```

Border

The CSS property to change the border of an element to XYZ 42.1321, 47.8539, 76.1234 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(137, 191, 222) }
```


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

```
.border{ border-color:rgb(137, 191, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 191, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 191, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 191, 222);  
box-shadow:4px 4px 4px 4px rgb(137, 191,  
222) }
```

Background

The CSS property to change the background color of an element to XYZ 42.1321, 47.8539, 76.1234 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 191, 222) }
```

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

```
.background{ background-color: rgb(137,  
191, 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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