

Converting Colors

XYZ(42.7535, 46.2087, 78.6173)

Have a look what the booklet for
XYZ(42.7535, 46.2087, 78.6173)
contains.

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Color

**XYZ(42.7535, 46.2087,
78.6173)**

Conversions

Conversions Part 1

Format	Color
Hex	91B9E2
RGB	145, 185, 226
RGB Percent	57%, 73%, 89%
CMY	0.4314, 0.2745, 0.1137
CMYK	0.36, 0.18, 0.00, 0.11
HSL	210°, 58%, 73%
HSV	210°, 36%, 89%
XYZ	42.7535, 46.2087, 78.6173
YIQ	177.7140, -37.0010, 4.2710

Conversions

Conversions Part 2

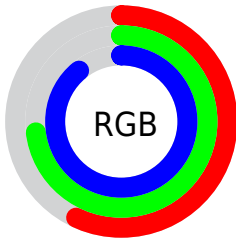
Format	Color
R_{YB}	145, 172, 226
Decimal	9550306
CIE Lab	73.68, -3.45, -24.80
CIE LCh	74, 25.042, 262.074
Yxy	46.2087, 0.2551, 0.2757
Android (android.graphics.Color)	4287740386 (0xFF91B9E2)
YUV	177.7140, 23.8050, -28.6902
Hunter-Lab	67.9770, -6.6938, -20.9867

Details

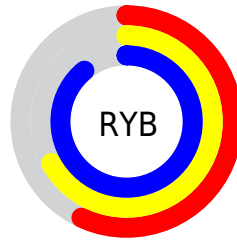
The XYZ color **42.7535, 46.2087, 78.6173** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **54.0346, 53.3317, 34.2356**, and the grayscale version is **42.0594, 44.2498, 48.1880**.

A 20% lighter version of the original color is **73.5927, 82.5481, 106.6624**, and **19.9163, 21.6669, 41.6605** is the 20% darker color. If you saturate the color by 10%, you get **36.8629, 39.7621, 77.6843**, and if you desaturate by 10%, it is **49.6317, 53.4523, 79.6537**.

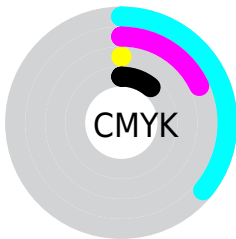
Distribution



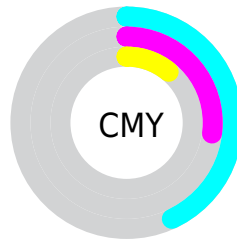
- Red (57%)
- Green (73%)
- Blue (89%)



- Red (57%)
- Yellow (67%)
- Blue (89%)



- Cyan (36%)
- Magenta (18%)
- Yellow (0%)
- Black (11%)



- Cyan (43%)
- Magenta (27%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.7535, 46.2087, 78.6173 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 42.7535, 46.2087, 78.6173 by changing the saturation by 10% instead.

■ 42.7535, 46.2087,
78.6173

■ 42.7535, 46.2087,
78.6173

348.5358,
371.6471, 509.8441

■ 29.8854, 32.4105,
58.0618

■ 78.5968, 84.5312,
133.2137

■ 19.8993, 21.6753,
41.4433

■ 102.3027,
109.8244, 168.0917

■ 12.4297, 13.6185,
28.3433

130.3520,
139.7181, 208.5809

■ 7.1113, 7.8558,
18.3433

163.1099,
174.5966, 255.0998

■ 3.5788, 4.0028,
11.0248

200.9419,
214.8443, 308.0671

■ 1.4667, 1.6751,
5.9691

244.2133,

■ 0.3030, 0.4075,

260.8457, 367.9012

2.7578

293.2895,
312.9852, 435.0207

■ 0.0000, 0.0000,
0.9723

■ 0.0000, 0.0000,
0.0000

■ 42.7535, 46.2087,
78.6173

■ 42.7535, 46.2087,
78.6173

■ 36.8629, 39.7621,
77.6843

■ 49.6317, 53.4523,
79.6537

■ 31.9038, 34.0739,
76.8477

■ 57.5409, 61.5187,
80.7939

■ 27.8207, 29.1095,
76.1047

■ 66.5267, 70.4387,
82.0420

■ 24.5499, 24.8288,
75.4508

■ 76.6310, 80.2399,
83.4012

■ 22.0174, 21.1863,
74.8812

■ 86.7792, 90.3742,
84.8225

■ 20.1332, 18.1275,
74.3901

■ 90.2949, 97.4057,
85.9944

■ 19.4787, 16.9932,
74.2057

■ 90.7276, 98.2710,
86.1386

Harmonies

Analogous

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



38.8797, 46.2087, 72.1649



42.7535, 46.2087, 78.6173



47.2066, 46.2087, 76.5374

Triad

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



42.7535, 46.2087, 78.6173



52.3144, 46.2087, 41.6742



37.5251, 46.2087, 36.7342

Complementary

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



42.7535, 46.2087, 78.6173



54.0346, 53.3317, 34.2356

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.



40.7896, 46.2087, 30.8895



42.7535, 46.2087, 78.6173



49.3781, 46.2087, 33.3889

Square

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



42.7535, 46.2087, 78.6173



52.9283, 46.2087, 53.7600



45.1075, 46.2087, 29.7773



35.9966, 46.2087, 47.0174

Rectangle

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



42.7535, 46.2087, 78.6173



49.8917, 46.2087, 70.7277



45.1075, 46.2087, 29.7773



38.4449, 46.2087, 34.2619

Sweetspot

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



42.7550, 46.2105, 78.6184



81.1096, 86.3363, 106.9974



47.6844, 63.9374, 56.0054



17.0195, 18.1400, 22.8543



0.0000, 0.0000, 0.0000



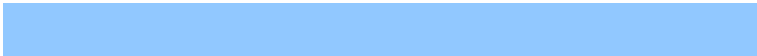
20.3446, 21.4041, 23.3091

Same Dimension

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



42.7550, 46.2105, 78.6184



50.3274, 54.3488, 102.4456



35.5312, 31.7630, 76.2105



13.5083, 14.3556, 17.4466



11.2309, 9.9314, 42.3734



0.8680, 0.8674, 2.9669

Inverse Universe

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



50.2476, 39.9237, 50.9586



61.7859, 45.7647, 59.9145



63.6721, 72.6067, 37.4481



13.9880, 13.8128, 15.7070



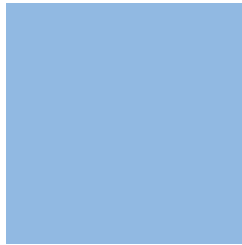
19.6091, 9.9106, 9.8730



1.4044, 0.7050, 0.9222

Previews

White Background



This preview shows how the XYZ color 42.7535, 46.2087, 78.6173 looks on a white background.

Color Contrast Check

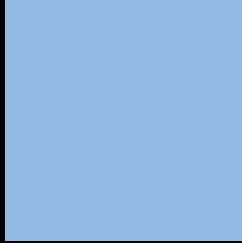
Large Text (above 18pt) WCAG AA × Fail

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 42.7535, 46.2087, 78.6173 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

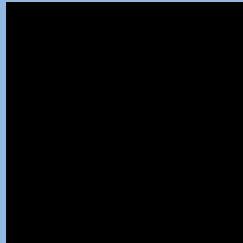
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

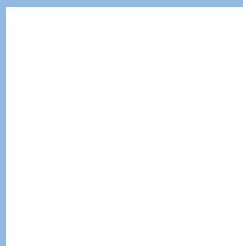
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.7535, 46.2087, 78.6173

Background



This preview shows how black text looks on a background with the XYZ color 42.7535, 46.2087, 78.6173.



This preview shows how white text looks on a background with the XYZ color 42.7535, 46.2087,

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

42.7535, 46.2087, 78.6173

Protanopia

46.0995, 46.1721, 75.5896

Deuteranopia

47.1813, 46.0444, 79.7995



Tritanopia

39.9119, 46.3303, 63.9658

Trichromacy



Original Color

42.7535, 46.2087, 78.6173

Protanomaly

44.7434, 46.0568, 76.3437

Deuteranomaly

45.2906, 45.9751, 79.1601

Tritanomaly

41.0222, 46.4707, 69.0950

Monochromacy



Original Color

42.7535, 46.2087, 78.6173

Achromatopsia

42.3164, 44.5201, 48.4824

Achromatomaly

42.1001, 45.0949, 58.1150

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.7535, 46.2087, 78.6173 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(145, 185, 226)` looks like.

```
.text, #text, p{  
    color:rgb(145, 185, 226)  
}
```

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(145, 185, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 185, 226) }
```

Border

The CSS property to change the border of an element to XYZ 42.7535, 46.2087, 78.6173 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(145, 185, 226) }
```


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

```
.border{ border-color:rgb(145, 185, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 185, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 185, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 185, 226);  
box-shadow:4px 4px 4px 4px rgb(145, 185,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 42.7535, 46.2087, 78.6173 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 185, 226) }
```

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

```
.background{ background-color: rgb(145,  
185, 226) }
```

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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