

Converting Colors

XYZ(42.8568, 47.7964, 72.8808)

Have a look what the booklet for
XYZ(42.8568, 47.7964, 72.8808)
contains.

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Color

**XYZ(42.7546, 47.6080,
72.5815)**

Conversions

Conversions Part 1

Format	Color
Hex	93BDD9
RGB	147, 189, 217
RGB Percent	58%, 74%, 85%
CMY	0.4235, 0.2588, 0.1490
CMYK	0.32, 0.13, 0.00, 0.15
HSL	204°, 48%, 71%
HSV	204°, 32%, 85%
XYZ	42.7546, 47.6080, 72.5815
YIQ	179.6340, -34.0200, -0.1960

Conversions

Conversions Part 2

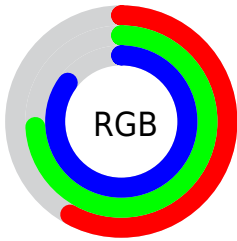
Format	Color
RYB	147, 173, 217
Decimal	9682393
CIELab	74.58, -7.31, -18.54
CIELCh	75, 19.933, 248.477
Yxy	47.6080, 0.2624, 0.2922
Android (android.graphics.Color)	4287872473 (0xFF93BDD9)
YUV	179.6340, 18.4214, -28.6200
Hunter-Lab	68.9986, -10.1408, -14.0698

Details

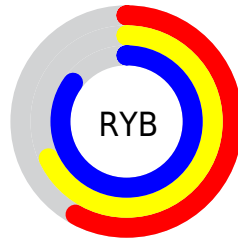
The XYZ color **42.7546, 47.6080, 72.5815** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **49.2124, 47.5188, 34.1833**, and the grayscale version is **43.1050, 45.3499, 49.3860**.

A 20% lighter version of the original color is **75.3310, 85.2213, 107.0867**, and **19.9418, 22.5966, 37.4930** is the 20% darker color. If you saturate the color by 10%, you get **37.4130, 42.1661, 71.8135**, and if you desaturate by 10%, it is **48.9448, 53.6555, 73.4233**.

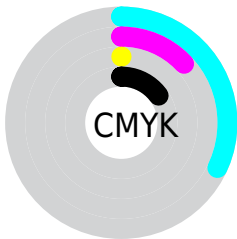
Distribution



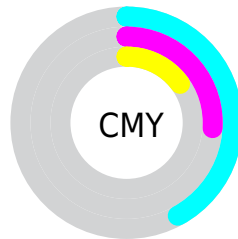
- Red (58%)
- Green (74%)
- Blue (85%)



- Red (58%)
- Yellow (68%)
- Blue (85%)



- Cyan (32%)
- Magenta (13%)
- Yellow (0%)
- Black (15%)



- Cyan (42%)
- Magenta (26%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.7546, 47.6080, 72.5815 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 42.7546, 47.6080, 72.5815 by changing the saturation by 10% instead.

■ 42.7546, 47.6080,
72.5815

■ 42.7546, 47.6080,
72.5815

348.5402,
377.2362, 488.5949

■ 29.8863, 33.5166,
53.1441

■ 78.5984, 86.6205,
124.5983

■ 19.8999, 22.5225,
37.5293

■ 102.3047,
112.3103, 158.0148

■ 12.4302, 14.2413,
25.3186

130.3543,
142.6350, 196.9281

■ 7.1116, 8.2887,
16.0934

163.1126,
177.9791, 241.7566

■ 3.5790, 4.2802,
9.4352

200.9450,
218.7268, 292.9191

■ 1.4668, 1.8315,
4.9254

244.2169,

■ 0.3031, 0.5067,

265.2627, 350.8339

2.1456

293.2935,
317.9710, 415.9197

■ 0.0000, 0.0000,
0.6427

■ 0.0000, 0.0000,
0.0000

■ 42.7546, 47.6080,
72.5815

■ 42.7546, 47.6080,
72.5815

■ 37.4130, 42.1661,
71.8135

■ 48.9448, 53.6555,
73.4233

■ 32.8724, 37.2991,
71.1133

■ 56.0194, 60.3264,
74.3381

■ 29.0867, 32.9812,
70.4794

■ 64.0169, 67.6446,
75.3291

■ 26.0030, 29.1823,
69.9087

■ 72.9727, 75.6309,
76.3986

■ 23.5608, 25.8680,
69.3977

■ 82.7342, 84.2092,
77.5399

■ 21.6874, 22.9976,
68.9424

■ 85.2438, 89.2283,
78.3764

■ 20.5346, 21.0299,
68.6233

■ 87.8757, 94.4922,
79.2537

■ 89.5245, 97.7898,
79.8033

Harmonies

Analogous

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



40.0382, 47.6080, 65.1941



42.7546, 47.6080, 72.5815



46.2794, 47.6080, 74.0522

Triad

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



42.7546, 47.6080, 72.5815



52.4570, 47.6080, 48.9656



41.0732, 47.6080, 37.7989

Complementary

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



42.7546, 47.6080, 72.5815



49.2124, 47.5188, 34.1833

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.



44.2359, 47.6080, 34.5788



42.7546, 47.6080, 72.5815



50.8955, 47.6080, 40.4416

Square

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



42.7546, 47.6080, 72.5815



52.0086, 47.6080, 59.4655



47.8406, 47.6080, 35.4776



39.1038, 47.6080, 44.8906

Rectangle

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



42.7546, 47.6080, 72.5815



48.6357, 47.6080, 71.3154



47.8406, 47.6080, 35.4776



42.0251, 47.6080, 36.2737

Sweetspot

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



42.7561, 47.6099, 72.5826



83.1150, 89.1446, 107.4337



44.4703, 58.8792, 48.9815



17.4547, 18.7706, 22.9531



0.0000, 0.0000, 0.0000



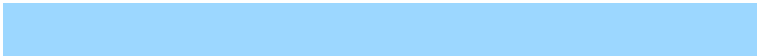
20.3446, 21.4041, 23.3091

Same Dimension

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



42.7561, 47.6099, 72.5826



56.0305, 62.9573, 103.8066



36.3073, 34.7123, 70.4330



12.9852, 13.9102, 16.6527



12.5363, 12.9421, 41.5757



0.8956, 1.0054, 2.7213

Inverse Universe

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



48.2355, 39.2946, 53.1885



65.3474, 49.8039, 70.6088



56.6423, 62.3785, 36.6599



13.3824, 13.1821, 15.2750



19.8231, 9.9303, 13.9804



1.3264, 0.6602, 1.1276

Previews

White Background



This preview shows how the XYZ color 42.7546, 47.6080, 72.5815 looks on a white background.

Color Contrast Check

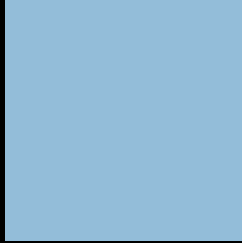
Large Text (above 18pt) WCAG AA × Fail

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 42.7546, 47.6080, 72.5815 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

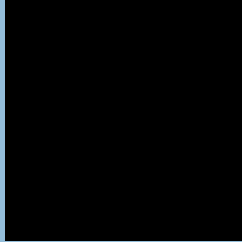
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.7546, 47.6080, 72.5815

Background



This preview shows how black text looks on a background with the XYZ color 42.7546, 47.6080, 72.5815.



This preview shows how white text looks on a background with the XYZ color 42.7546, 47.6080,

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

42.7546, 47.6080, 72.5815

Protanopia

46.5390, 47.1483, 68.9350

Deuteranopia

48.4347, 47.4220, 73.6184



Tritanopia

41.2730, 47.6471, 65.4140

Trichromacy



Original Color

42.7546, 47.6080, 72.5815

Protanomaly

45.0040, 47.2430, 70.3652

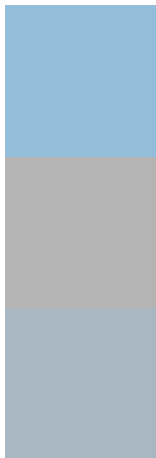
Deuteranomaly

46.1659, 47.4750, 73.0600

Tritanomaly

41.7234, 47.4998, 67.9421

Monochromacy



Original Color

42.7546, 47.6080, 72.5815

Achromatopsia

43.3819, 45.6411, 49.7032

Achromatomaly

42.7076, 46.0421, 57.0882

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.7546, 47.6080, 72.5815 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(147, 189, 217)` looks like.

```
.text, #text, p{  
    color:rgb(147, 189, 217)  
}
```

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(147, 189, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 189, 217) }
```

Border

The CSS property to change the border of an element to XYZ 42.7546, 47.6080, 72.5815 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(147, 189, 217) }
```


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

```
.border{ border-color:rgb(147, 189, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 189, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 189, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 189, 217);  
box-shadow:4px 4px 4px 4px rgb(147, 189,  
217) }
```

Background

The CSS property to change the background color of an element to XYZ 42.7546, 47.6080, 72.5815 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 189, 217) }
```

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

```
.background{ background-color: rgb(147,  
189, 217) }
```

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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