

Converting Colors

XYZ(42.5538, 45.3011, 76.0047)

Have a look what the booklet for
XYZ(42.5538, 45.3011, 76.0047)
contains.

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Color

**XYZ(42.6249, 45.2676,
76.3030)**

Conversions

Conversions Part 1

Format	Color
Hex	96B6DF
RGB	150, 182, 223
RGB Percent	59%, 71%, 87%
CMY	0.4118, 0.2863, 0.1255
CMYK	0.33, 0.18, 0.00, 0.13
HSL	214°, 53%, 73%
HSV	214°, 33%, 87%
XYZ	42.6249, 45.2676, 76.3030
YIQ	177.1060, -32.2330, 5.9670

Conversions

Conversions Part 2

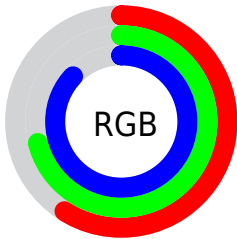
Format	Color
RYB	150, 172, 223
Decimal	9877215
CIELab	73.07, -1.20, -24.08
CIELCh	73, 24.111, 267.159
Yxy	45.2676, 0.2596, 0.2757
Android (android.graphics.Color)	4288067295 (0xFF96B6DF)
YUV	177.1060, 22.6257, -23.7720
Hunter-Lab	67.2812, -4.6564, -20.1434

Details

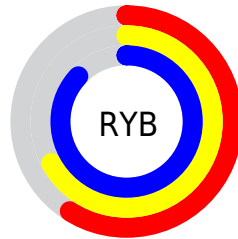
The XYZ color **42.6249, 45.2676, 76.3030** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **54.5681, 55.1524, 36.6250**, and the grayscale version is **41.7438, 43.9177, 47.8264**.

A 20% lighter version of the original color is **74.0781, 81.4909, 106.4327**, and **19.8479, 21.0691, 40.0664** is the 20% darker color. If you saturate the color by 10%, you get **36.4542, 38.4484, 75.3128**, and if you desaturate by 10%, it is **49.8088, 52.9517, 77.4083**.

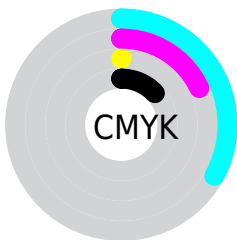
Distribution



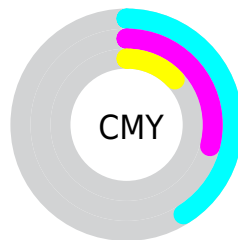
- Red (59%)
- Green (71%)
- Blue (87%)



- Red (59%)
- Yellow (67%)
- Blue (87%)



- Cyan (33%)
- Magenta (18%)
- Yellow (0%)
- Black (13%)



- Cyan (41%)
- Magenta (29%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.6249, 45.2676, 76.3030 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 42.6249, 45.2676, 76.3030 by changing the saturation by 10% instead.

■ 42.6249, 45.2676,
76.3030

■ 42.6249, 45.2676,
76.3030

348.0146,
367.8563, 501.7587

■ 29.7842, 31.6683,
56.1729

■ 78.4038, 83.1218,
129.9191

■ 19.8221, 21.1082,
39.9366

■ 102.0726,
108.1455, 164.2422

■ 12.3733, 13.2031,
27.1757

130.0815,
137.7461, 204.1333

■ 7.0724, 7.5686,
17.4716

162.7958,
172.3079, 250.0111

■ 3.5542, 3.8202,
10.4058

200.5810,
212.2155, 302.2939

■ 1.4531, 1.5735,
5.5597

243.8022,

■ 0.2936, 0.3396,

257.8532, 361.4004

2.5149

292.8250,
309.6053, 427.7492

■ 0.0000, 0.0000,
0.8480

■ 0.0000, 0.0000,
0.0000

■ 42.6249, 45.2676,
76.3030

■ 42.6249, 45.2676,
76.3030

■ 36.4542, 38.4484,
75.3128

■ 49.8088, 52.9517,
77.4083

■ 31.2419, 32.4540,
74.4305

■ 58.0483, 61.5281,
78.6295

■ 26.9343, 27.2485,
73.6527

■ 67.3883, 71.0292,
79.9711

■ 23.4703, 22.7906,
72.9748

■ 77.8700, 81.4841,
81.4367

■ 20.7797, 19.0340,
72.3916

■ 87.0987, 91.6662,
82.9156

■ 18.7794, 15.9253,
71.8969

■ 90.3194, 98.1078,
83.9892

■ 17.6644, 14.0177,
71.5875

Harmonies

Analogous

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



38.7772, 45.2676, 71.4809



42.6249, 45.2676, 76.3030



46.8329, 45.2676, 72.9656

Triad

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



42.6249, 45.2676, 76.3030



50.6488, 45.2676, 39.4328



36.5677, 45.2676, 37.7397

Complementary

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



42.6249, 45.2676, 76.3030



54.5681, 55.1524, 36.6250

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.



39.4303, 45.2676, 31.3833



42.6249, 45.2676, 76.3030



47.5732, 45.2676, 32.2428

Square

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



42.6249, 45.2676, 76.3030



51.6405, 45.2676, 50.4486



43.4286, 45.2676, 29.5470



35.4262, 45.2676, 48.1468

Rectangle

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



42.6249, 45.2676, 76.3030



49.2474, 45.2676, 66.8206



43.4286, 45.2676, 29.5470



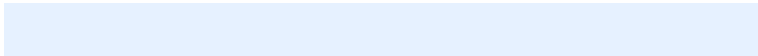
37.3510, 45.2676, 35.1276

Sweetspot

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



42.6264, 45.2694, 76.3041



81.8831, 86.6808, 107.0231



48.2772, 62.9847, 58.4152



17.1568, 18.1748, 22.8538



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.



42.6264, 45.2694, 76.3041



52.1304, 55.1571, 102.5066



37.4868, 33.9776, 74.3954



13.4440, 14.2270, 17.4252



10.4946, 8.4587, 42.1279



0.8154, 0.7623, 2.9494

Inverse Universe

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



49.7825, 40.8794, 49.5245



63.3788, 49.0165, 60.2423



61.2125, 70.0927, 39.1586



13.9556, 13.7999, 15.5361



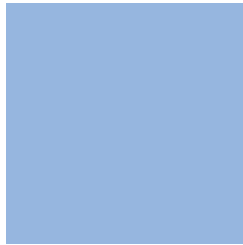
19.2374, 9.7620, 7.9158



1.3778, 0.6944, 0.7826

Previews

White Background



This preview shows how the XYZ color 42.6249, 45.2676, 76.3030 looks on a white background.

Color Contrast Check

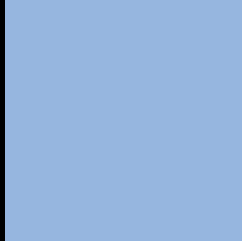
Large Text (above 18pt) WCAG AA × Fail

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 42.6249, 45.2676, 76.3030 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

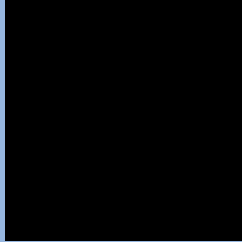
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

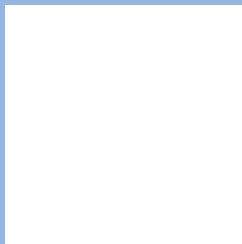
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.6249, 45.2676, 76.3030

Background



This preview shows how black text looks on a background with the XYZ color 42.6249, 45.2676, 76.3030.



This preview shows how white text looks on a background with the XYZ color 42.6249, 45.2676,

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

42.6249, 45.2676, 76.3030

Protanopia

45.0026, 45.0466, 74.0331

Deuteranopia

46.0181, 44.9260, 76.7672



Tritanopia

39.7786, 45.3546, 61.9161

Trichromacy



Original Color

42.6249, 45.2676, 76.3030

Protanomaly

44.0715, 45.1420, 74.7971

Deuteranomaly

44.8920, 45.2219, 76.8837

Tritanomaly

40.8902, 45.5044, 66.9497

Monochromacy



Original Color

42.6249, 45.2676, 76.3030

Achromatopsia

41.7894, 43.9657, 47.8787

Achromatomaly

41.7941, 44.3507, 57.3967

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.6249, 45.2676, 76.3030 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(150, 182, 223)` looks like.

```
.text, #text, p{  
    color:rgb(150, 182, 223)  
}
```

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(150, 182, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 182, 223) }
```

Border

The CSS property to change the border of an element to XYZ 42.6249, 45.2676, 76.3030 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(150, 182, 223) }
```


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

```
.border{ border-color:rgb(150, 182, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 182, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 182, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 182, 223);  
box-shadow:4px 4px 4px 4px rgb(150, 182,  
223) }
```

Background

The CSS property to change the background color of an element to XYZ 42.6249, 45.2676, 76.3030 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 182, 223) }
```

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

```
.background{ background-color: rgb(150,  
182, 223) }
```

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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