

Converting Colors

XYZ(42.3482, 44.6693, 66.9322)

Have a look what the booklet for
XYZ(42.3482, 44.6693, 66.9322)
contains.

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Color

**XYZ(42.3271, 44.7195,
66.7225)**

Conversions

Conversions Part 1

Format	Color
Hex	A0B4D1
RGB	160, 180, 209
RGB Percent	63%, 71%, 82%
CMY	0.3725, 0.2941, 0.1804
CMYK	0.23, 0.14, 0.00, 0.18
HSL	216°, 35%, 72%
HSV	216°, 23%, 82%
XYZ	42.3271, 44.7195, 66.7225
YIQ	177.3260, -21.2290, 4.7790

Conversions

Conversions Part 2

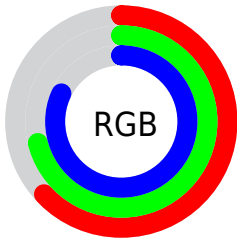
Format	Color
RYB	160, 174, 209
Decimal	10532049
CIELab	72.71, -0.53, -16.93
CIElCh	73, 16.942, 268.198
Yxy	44.7195, 0.2753, 0.2908
Android (android.graphics.Color)	4288722129 (0xFFA0B4D1)
YUV	177.3260, 15.6153, -15.1949
Hunter-Lab	66.8726, -4.0454, -12.3460

Details

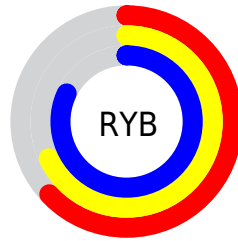
The XYZ color **42.3271, 44.7195, 66.7225** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **50.8379, 52.4890, 40.7109**, and the grayscale version is **41.8908, 44.0724, 47.9949**.

A 20% lighter version of the original color is **76.0698, 81.6580, 106.3600**, and **19.6901, 20.7334, 33.9745** is the 20% darker color. If you saturate the color by 10%, you get **36.1086, 37.9719, 65.7486**, and if you desaturate by 10%, it is **49.4735, 52.2785, 67.8056**.

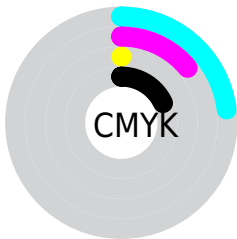
Distribution



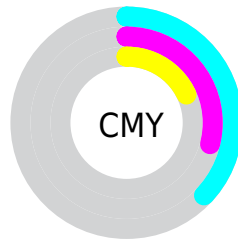
- Red (63%)
- Green (71%)
- Blue (82%)



- Red (63%)
- Yellow (68%)
- Blue (82%)



- Cyan (23%)
- Magenta (14%)
- Yellow (0%)
- Black (18%)



- Cyan (37%)
- Magenta (29%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.3271, 44.7195, 66.7225 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 42.3271, 44.7195, 66.7225 by changing the saturation by 10% instead.

■ 42.3271, 44.7195,
66.7225

■ 42.3271, 44.7195,
66.7225

346.8057,
365.6363, 467.4309

■ 29.5497, 31.2365,
48.3990

■ 77.9565, 82.2993,
116.1596

■ 19.6434, 20.7790,
33.7807

■ 101.5392,
107.1650, 148.1102

■ 12.2429, 12.9626,
22.4492

129.4545,
136.5937, 185.4402

■ 6.9827, 7.4028,
13.9859

162.0676,
170.9698, 228.5682

■ 3.4975, 3.7153,
7.9722

199.7439,
210.6777, 277.9128

■ 1.4220, 1.5156,
3.9896

242.8488,

■ 0.2718, 0.2997,

256.1019, 333.8924

1.6197

291.7476,
307.6266, 396.9256

■ 0.0000, 0.0000,
0.3048

■ 0.0000, 0.0000,
0.0000

■ 42.3271, 44.7195,
66.7225

■ 42.3271, 44.7195,
66.7225

■ 36.1086, 37.9719,
65.7486

■ 49.4735, 52.2785,
67.8056

■ 30.7731, 32.0005,
64.8772

■ 57.5821, 60.6715,
68.9983

■ 26.2778, 26.7755,
64.1056

■ 66.6900, 69.9268,
70.3047

■ 22.5744, 22.2627,
63.4297

■ 76.8314, 80.0697,
71.7279

■ 19.6092, 18.4244,
62.8451

■ 84.4556, 89.2772,
73.1033

■ 17.3210, 15.2189,
62.3470

■ 88.2593, 96.8847,
74.3712

■ 15.6368, 12.5974,
61.9298

■ 88.5088, 97.3835,
74.4544

■ 14.7820, 11.1499,
61.6954

Harmonies

Analogous

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



39.5960, 44.7195, 63.7797



42.3271, 44.7195, 66.7225



45.2306, 44.7195, 64.3908

Triad

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



42.3271, 44.7195, 66.7225



47.6812, 44.7195, 41.4390



37.8812, 44.7195, 40.6525

Complementary

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



42.3271, 44.7195, 66.7225



50.8379, 52.4890, 40.7109

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.



39.8902, 44.7195, 35.7777



42.3271, 44.7195, 66.7225



45.5522, 44.7195, 36.1936

Square

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



42.3271, 44.7195, 66.7225



48.4057, 44.7195, 49.2026



42.6825, 44.7195, 34.2429



37.1036, 44.7195, 48.1848

Rectangle

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



42.3271, 44.7195, 66.7225



46.8571, 44.7195, 60.2941



42.6825, 44.7195, 34.2429



38.4302, 44.7195, 38.6827

Sweetspot

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



42.3285, 44.7213, 66.7235



85.5073, 90.2146, 107.5142



46.4388, 56.7315, 56.4110



18.1338, 19.1358, 22.9878



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.



42.3285, 44.7213, 66.7235



61.4516, 64.8213, 103.8807



39.4076, 37.6477, 65.5121



11.5543, 12.1988, 14.9893



9.2055, 7.0576, 38.0696



0.5919, 0.5490, 2.1543

Inverse Universe

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



47.1047, 41.9935, 48.8048



70.2754, 60.1662, 70.6905



54.3004, 61.1072, 42.1918



12.0059, 11.8871, 13.3069



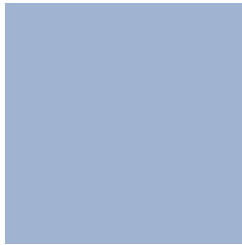
17.2772, 8.7837, 6.3662



1.0050, 0.5067, 0.5611

Previews

White Background



This preview shows how the XYZ color 42.3271, 44.7195, 66.7225 looks on a white background.

Color Contrast Check

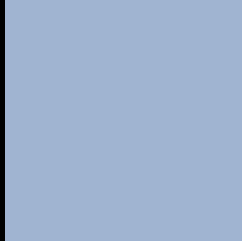
Large Text (above 18pt) WCAG AA × Fail

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 42.3271, 44.7195, 66.7225 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

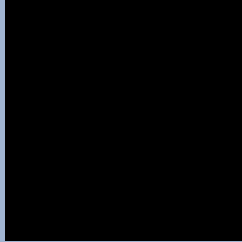
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.3271, 44.7195, 66.7225

Background



This preview shows how black text looks on a background with the XYZ color 42.3271, 44.7195, 66.7225.



This preview shows how white text looks on a background with the XYZ color 42.3271, 44.7195,

66.7225.

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

42.3271, 44.7195, 66.7225

Protanopia

44.2182, 44.8335, 65.3547

Deuteranopia

45.5913, 44.6285, 67.1840



Tritanopia

40.9065, 44.7562, 59.3061

Trichromacy



Original Color

42.3271, 44.7195, 66.7225

Protanomaly

43.4540, 44.7197, 66.0160

Deuteranomaly

44.3918, 44.5880, 67.2394

Tritanomaly

41.3646, 44.6357, 61.6938

Monochromacy



Original Color

42.3271, 44.7195, 66.7225

Achromatopsia

41.7894, 43.9657, 47.8787

Achromatomaly

41.9003, 44.1728, 54.4619

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.3271, 44.7195, 66.7225 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(160, 180, 209)` looks like.

```
.text, #text, p{  
    color:rgb(160, 180, 209)  
}
```

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(160, 180, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 180, 209) }
```

Border

The CSS property to change the border of an element to XYZ 42.3271, 44.7195, 66.7225 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(160, 180, 209) }
```


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

```
.border{ border-color:rgb(160, 180, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 180, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 180, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 180, 209);  
box-shadow:4px 4px 4px 4px rgb(160, 180,  
209) }
```

Background

The CSS property to change the background color of an element to XYZ 42.3271, 44.7195, 66.7225 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 180, 209) }
```

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

```
.background{ background-color: rgb(160,  
180, 209) }
```

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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