

Converting Colors

XYZ(33.0142, 41.6716, 75.0080)

Have a look what the booklet for XYZ(33.0142, 41.6716, 75.0080) contains.

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Color

**XYZ(32.8568, 41.4965,
74.6845)**

Conversions

Conversions Part 1

Format	Color
Hex	42BADD
RGB	66, 186, 221
RGB Percent	26%, 73%, 87%
CMY	0.7411, 0.2706, 0.1333
CMYK	0.70, 0.16, 0.00, 0.13
HSL	194°, 70%, 56%
HSV	194°, 70%, 87%
XYZ	32.8568, 41.4965, 74.6845
YIQ	154.1100, -82.7550, -14.5550

Conversions

Conversions Part 2

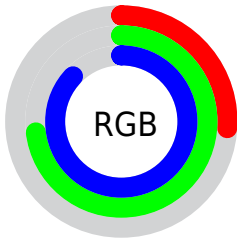
Format	Color
RYB	66, 134, 221
Decimal	4373213
CIELab	70.52, -22.03, -27.21
CIELCh	71, 35.005, 231.002
Yxy	41.4965, 0.2205, 0.2784
Android (android.graphics.Color)	4282563293 (0xFF42BADD)
YUV	154.1100, 32.9768, -77.2725
Hunter-Lab	64.4178, -21.6858, -23.6470

Details

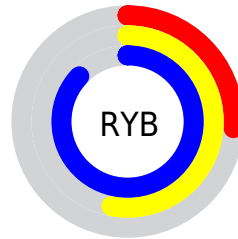
The XYZ color **32.8568, 41.4965, 74.6845** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light muted azure. A complement of this color would be **35.4573, 25.0748, 8.1269**, and the grayscale version is **30.6510, 32.2472, 35.1172**.

A 20% lighter version of the original color is **59.3179, 75.6298, 106.0794**, and **15.2705, 19.5282, 39.0409** is the 20% darker color. If you saturate the color by 10%, you get **30.6125, 38.8067, 74.2844**, and if you desaturate by 10%, it is **35.7155, 44.5591, 75.1258**.

Distribution



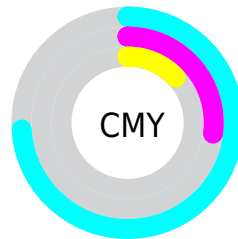
- Red (26%)
- Green (73%)
- Blue (87%)



- Red (26%)
- Yellow (53%)
- Blue (87%)



- Cyan (70%)
- Magenta (16%)
- Yellow (0%)
- Black (13%)



- Cyan (74%)
- Magenta (27%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.8568, 41.4965, 74.6845 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 32.8568, 41.4965, 74.6845 by changing the saturation by 10% instead.

■ 32.8568, 41.4965,
74.6845

■ 32.8568, 41.4965,
74.6845

306.6804,
352.3915, 496.0589

■ 22.1755, 28.7072,
54.8543

■ 63.5081, 77.4370,
127.6086

■ 14.1032, 18.8595,
38.8873

■ 84.2087, 101.3571,
161.5397

■ 8.2747, 11.5688,
26.3649

■ 108.9799,
129.7562, 201.0080

■ 4.3245, 6.4508,
16.8686

■ 138.1869,
163.0188, 246.4323

■ 1.8873, 3.1211,
9.9799

172.1951,
201.5292, 298.2309

■ 0.5694, 1.1953,
5.2802

211.3698,

■ 0.0000, 0.0578,

245.6719, 356.8226

2.3510

256.0765,
295.8311, 422.6257

■ 0.0000, 0.0000,
0.7596

■ 0.0000, 0.0000,
0.0000

■ 32.8568, 41.4965,
74.6845

■ 32.8568, 41.4965,
74.6845

■ 30.6125, 38.8067,
74.2844

■ 35.7155, 44.5591,
75.1258


■ 28.9076, 36.4481,
73.9190


■ 39.2441, 48.0214,
75.6081


■ 27.6325, 34.3829,
73.5876


■ 43.4961, 51.9122,
76.1350


■ 48.5187, 56.2563,
76.7088

 54.3544, 61.0763,
77.3315

 61.0431, 66.3930,
78.0052

 68.6215, 72.2262,
78.7317

 77.1244, 78.5940,
79.5127

 82.8438, 83.5856,
80.1747

Harmonies

Analogous

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



29.9548, 41.4965, 57.5681



32.8568, 41.4965, 74.6845



37.7295, 41.4965, 84.4425

Triad

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



32.8568, 41.4965, 74.6845



51.4591, 41.4965, 50.3421



35.5931, 41.4965, 21.5183

Complementary

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



32.8568, 41.4965, 74.6845



35.4573, 25.0748, 8.1269

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.



41.2038, 41.4965, 20.4854



32.8568, 41.4965, 74.6845



50.7447, 41.4965, 34.7147

Square

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



32.8568, 41.4965, 74.6845



48.7175, 41.4965, 68.3001



46.8512, 41.4965, 24.6970



31.4241, 41.4965, 27.9767

Rectangle

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



32.8568, 41.4965, 74.6845



41.5989, 41.4965, 84.1497



46.8512, 41.4965, 24.6970



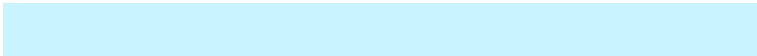
37.3594, 41.4965, 20.5996

Sweetspot

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



32.8582, 41.4980, 74.6855



74.2816, 83.7460, 106.8573



30.3847, 53.7843, 20.7331



15.4008, 17.5177, 22.8195



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.



32.8582, 41.4980, 74.6855



41.1801, 52.1346, 102.5003



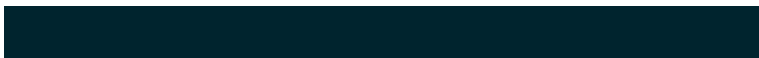
20.8665, 17.5146, 70.6883



13.1825, 14.3048, 16.7184



16.1405, 20.1505, 42.7771



1.1081, 1.4303, 2.7921

Inverse Universe

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



40.6311, 22.8152, 48.7181



53.2435, 27.3191, 61.2624



46.5421, 47.2444, 11.8218



13.4820, 13.2219, 15.7995



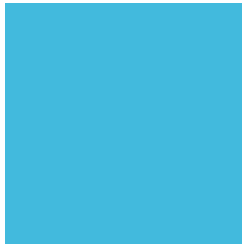
21.6423, 10.6580, 23.5603



1.4336, 0.7031, 1.6922

Previews

White Background



This preview shows how the XYZ color 32.8568, 41.4965, 74.6845 looks on a white background.

Color Contrast Check

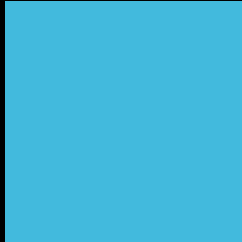
Large Text (above 18pt) WCAG AA × Fail

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 32.8568, 41.4965, 74.6845 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 32.8568, 41.4965, 74.6845

Background



This preview shows how black text looks on a background with the XYZ color 32.8568, 41.4965, 74.6845.



This preview shows how white text looks on a background with the XYZ color 32.8568, 41.4965,

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

32.8568, 41.4965, 74.6845

Protanopia

40.7836, 41.0343, 66.0925

Deuteranopia

41.8913, 40.8124, 76.9038



Tritanopia

30.6722, 41.5671, 63.5334

Trichromacy



Original Color

32.8568, 41.4965, 74.6845

Protanomaly

36.2880, 40.3668, 68.8298

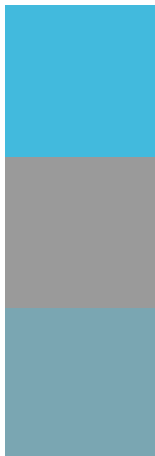
Deuteranomaly

37.2420, 40.4017, 76.3565

Tritanomaly

31.4197, 41.5494, 67.3366

Monochromacy



Original Color

32.8568, 41.4965, 74.6845

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

29.6981, 34.6244, 47.2374

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.8568, 41.4965, 74.6845 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(66, 186, 221)` looks like.

```
.text, #text, p{  
    color:rgb(66, 186, 221)  
}
```

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(66, 186, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 186, 221) }
```

Border

The CSS property to change the border of an element to XYZ 32.8568, 41.4965, 74.6845 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(66, 186, 221) }
```


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

```
.border{ border-color:rgb(66, 186, 221) }
```

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

Here you see how a box with a 4 pixel rgb(66, 186, 221) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 186, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 186, 221);  
box-shadow:4px 4px 4px 4px rgb(66, 186,  
221) }
```

Background

The CSS property to change the background color of an element to XYZ 32.8568, 41.4965, 74.6845 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 186, 221) }
```

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

```
.background{ background-color: rgb(66, 186,  
221) }
```

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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