

Converting Colors

XYZ(32.9853, 44.2045, 74.6906)

Have a look what the booklet for
XYZ(32.9853, 44.2045, 74.6906)
contains.

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Color

**XYZ(32.9032, 44.1082,
74.4897)**

Conversions

Conversions Part 1

Format	Color
Hex	23C2DC
RGB	35, 194, 220
RGB Percent	14%, 76%, 86%
CMY	0.8627, 0.2392, 0.1373
CMYK	0.84, 0.12, 0.00, 0.14
HSL	188°, 73%, 50%
HSV	188°, 84%, 86%
XYZ	32.9032, 44.1082, 74.4897
YIQ	149.4230, -103.1100, -25.6220

Conversions

Conversions Part 2

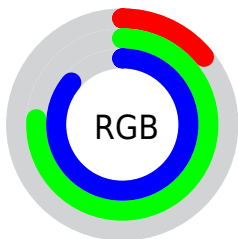
Format	Color
RYB	35, 121, 220
Decimal	2343644
CIELab	72.30, -29.53, -23.99
CIElCh	72, 38.043, 219.086
Yxy	44.1082, 0.2172, 0.2911
Android (android.graphics.Color)	4280533724 (0xFF23C2DC)
YUV	149.4230, 34.7945, -100.3490
Hunter-Lab	66.4140, -27.7910, -20.0096

Details

The XYZ color **32.9032, 44.1082, 74.4897** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **31.4890, 18.6768, 3.5370**, and the grayscale version is **28.6373, 30.1287, 32.8101**.

A 20% lighter version of the original color is **59.7496, 79.9274, 106.8861**, and **16.1696, 21.4728, 38.8897** is the 20% darker color. If you saturate the color by 10%, you get **31.6960, 42.4757, 74.2391**, and if you desaturate by 10%, it is **34.5947, 46.0133, 74.7691**.

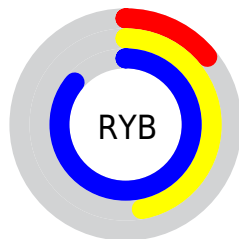
Distribution



Red (14%)

Green (76%)

Blue (86%)



Red (14%)

Yellow (47%)

Blue (86%)

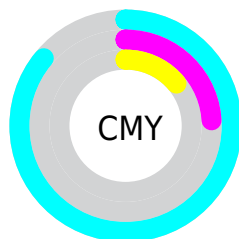


Cyan (84%)

Magenta (12%)

Yellow (0%)

Black (14%)



Cyan (86%)

Magenta (24%)

Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.9032, 44.1082, 74.4897 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 32.9032, 44.1082, 74.4897 by changing the saturation by 10% instead.

■ 32.9032, 44.1082,
74.4897

■ 32.9032, 44.1082,
74.4897

306.8860,
363.1496, 495.3703

■ 22.2112, 30.7556,
54.6957

■ 63.5801, 81.3805,
127.3302

■ 14.1296, 20.4128,
38.7612

■ 84.2956, 106.0690,
161.2138

■ 8.2932, 12.6955,
26.2676

■ 109.0831,
135.3050, 200.6310

■ 4.3365, 7.2192,
16.7964

■ 138.3077,
169.4727, 246.0004

■ 1.8942, 3.5995,
9.9290

■ 172.3350,
208.9566, 297.7405

■ 0.5735, 1.4522,
5.2469

211.5303,

■ 0.0000, 0.2547,

254.1412, 356.2698

2.3316

256.2588,
305.4107, 422.0069

■ 0.0000, 0.0000,
0.7488

■ 0.0000, 0.0000,
0.0000

■ 32.9032, 44.1082,
74.4897

■ 32.9032, 44.1082,
74.4897

■ 31.6960, 42.4757,
74.2391

■ 34.5947, 46.0133,
74.7691

■ 31.1334, 41.5972,
74.0992

■ 36.8422, 48.2256,
75.0777

■ 39.7094, 50.7790,
75.4194

■ 43.2505, 53.7013,
75.7968

■ 47.5134, 57.0175,
76.2122

■ 52.5417, 60.7501,
76.6677

■ 58.3755, 64.9200,
77.1651

■ 65.0520, 69.5464,
77.7062

■ 72.6062, 74.6476,
78.2927

Harmonies

Analogous

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



30.6949, 44.1082, 53.9390



32.9032, 44.1082, 74.4897



37.5942, 44.1082, 90.1183

Triad

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



32.9032, 44.1082, 74.4897



54.7970, 44.1082, 62.0587



39.9695, 44.1082, 20.5258

Complementary

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



32.9032, 44.1082, 74.4897



31.4890, 18.6768, 3.5370

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.



46.5731, 44.1082, 21.6347



32.9032, 44.1082, 74.4897



55.6025, 44.1082, 42.5623

Square

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



32.9032, 44.1082, 74.4897



50.3595, 44.1082, 81.7427



52.4579, 44.1082, 28.7154



34.4866, 44.1082, 25.1506

Rectangle

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



32.9032, 44.1082, 74.4897



41.7233, 44.1082, 93.7681



52.4579, 44.1082, 28.7154



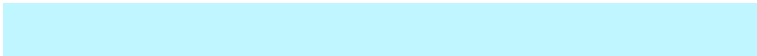
42.1244, 44.1082, 20.2731

Sweetspot

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



32.9046, 44.1098, 74.4908



72.5668, 84.2647, 107.0478



27.0946, 51.8676, 12.8148



14.9821, 17.6312, 22.8635



0.0000, 0.0000, 0.0000



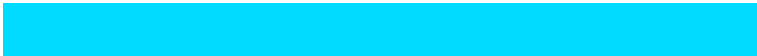
20.3446, 21.4041, 23.3091

Same Dimension

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



32.9046, 44.1098, 74.4908



43.4234, 57.9667, 103.5078



18.4473, 15.1951, 69.6717



13.2807, 14.5012, 16.7512



18.3336, 24.5367, 43.5082



1.2315, 1.6772, 2.8333

Inverse Universe

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



39.8551, 20.3143, 52.8609



54.0473, 26.3829, 69.3724



41.0759, 37.8506, 6.7327



13.5316, 13.2417, 16.0605



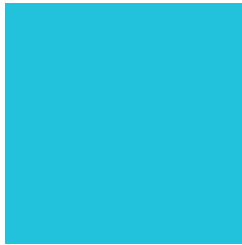
22.7493, 11.1008, 29.3896



1.4959, 0.7280, 2.0204

Previews

White Background



This preview shows how the XYZ color 32.9032, 44.1082, 74.4897 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 32.9032, 44.1082, 74.4897 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

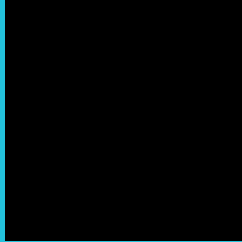
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 32.9032, 44.1082, 74.4897

Background



This preview shows how black text looks on a background with the XYZ color 32.9032, 44.1082, 74.4897.



This preview shows how white text looks on a background with the XYZ color 32.9032, 44.1082,

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

32.9032, 44.1082, 74.4897

Protanopia

42.9761, 43.3231, 65.1286

Deuteranopia

44.4705, 43.5389, 77.2942



Tritanopia

31.5615, 43.8821, 68.4346

Trichromacy



Original Color

32.9032, 44.1082, 74.4897



Protanomaly

36.2927, 41.8662, 68.4555



Deuteranomaly

37.4509, 42.2974, 76.0024



Tritanomaly

32.0536, 44.0919, 70.4395

Monochromacy



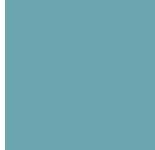
Original Color

32.9032, 44.1082, 74.4897



Achromatopsia

28.5667, 30.0544, 32.7292



Achromatomaly

27.3773, 33.1936, 45.5215

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.9032, 44.1082, 74.4897 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(35, 194, 220)` looks like.

```
.text, #text, p{  
    color:rgb(35, 194, 220)  
}
```

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(35, 194, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(35, 194, 220) }
```

Border

The CSS property to change the border of an element to XYZ 32.9032, 44.1082, 74.4897 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(35, 194, 220) }
```


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

```
.border{ border-color:rgb(35, 194, 220) }
```

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

Here you see how a box with a 4 pixel rgb(35, 194, 220) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(35, 194, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(35, 194, 220);  
box-shadow:4px 4px 4px 4px rgb(35, 194,  
220) }
```

Background

The CSS property to change the background color of an element to XYZ 32.9032, 44.1082, 74.4897 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(35, 194, 220) }
```

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

```
.background{ background-color: rgb(35, 194,  
220) }
```

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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