

Converting Colors

XYZ(32.0776, 42.0294, 75.5312)

Have a look what the booklet for
XYZ(32.0776, 42.0294, 75.5312)
contains.

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Color

**XYZ(32.0755, 42.0264,
75.5286)**

Conversions

Conversions Part 1

Format	Color
Hex	23BDDE
RGB	35, 189, 222
RGB Percent	14%, 74%, 87%
CMY	0.8627, 0.2588, 0.1294
CMYK	0.84, 0.15, 0.00, 0.13
HSL	191°, 74%, 50%
HSV	191°, 84%, 87%
XYZ	32.0755, 42.0264, 75.5286
YIQ	146.7160, -102.3770, -22.3850

Conversions

Conversions Part 2

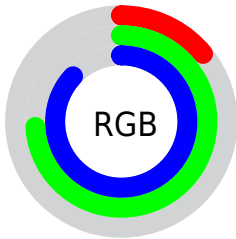
Format	Color
RYB	35, 119, 222
Decimal	2342366
CIELab	70.89, -26.41, -27.23
CIELCh	71, 37.939, 225.877
Yxy	42.0264, 0.2144, 0.2809
Android (android.graphics.Color)	4280532446 (0xFF23BDDE)
YUV	146.7160, 37.1150, -97.9749
Hunter-Lab	64.8278, -25.1303, -23.6973

Details

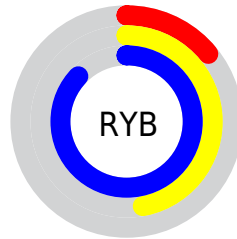
The XYZ color **32.0755, 42.0264, 75.5286** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed azure. A complement of this color would be **32.4964, 19.7877, 3.6983**, and the grayscale version is **27.5008, 28.9330, 31.5080**.

A 20% lighter version of the original color is **58.2082, 76.8445, 106.3723**, and **15.6390, 20.1180, 39.6181** is the 20% darker color. If you saturate the color by 10%, you get **30.7150, 40.0915, 75.2277**, and if you desaturate by 10%, it is **33.9372, 44.2550, 75.8615**.

Distribution



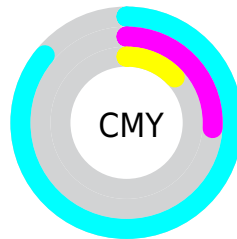
- Red (14%)
- Green (74%)
- Blue (87%)



- Red (14%)
- Yellow (47%)
- Blue (87%)



- Cyan (84%)
- Magenta (15%)
- Yellow (0%)
- Black (13%)



- Cyan (86%)
- Magenta (26%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.0755, 42.0264, 75.5286 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 32.0755, 42.0264, 75.5286 by changing the saturation by 10% instead.

■ 32.0755, 42.0264,
75.5286

■ 32.0755, 42.0264,
75.5286

303.2022,
354.5924, 499.0363

■ 21.5750, 29.1220,
55.5417

■ 62.2938, 78.2396,
128.8143

■ 13.6598, 19.1731,
39.4341

■ 82.7424, 102.3171,
162.9502

■ 7.9645, 11.7954,
26.7872

■ 107.2376,
130.8878, 202.6395

■ 4.1239, 6.6045,
17.1824

■ 136.1450,
164.3360, 248.3008

■ 1.7725, 3.2160,
10.2013

■ 169.8297,
203.0462, 300.3526

■ 0.5010, 1.2455,
5.4253

208.6573,

■ 0.0000, 0.0984,

247.4027, 359.2134

2.4358

252.9930,
297.7900, 425.3018

■ 0.0000, 0.0000,
0.8059

■ 0.0000, 0.0000,
0.0000

■ 32.0755, 42.0264,
75.5286

■ 32.0755, 42.0264,
75.5286

■ 30.7150, 40.0915,
75.2277

■ 33.9372, 44.2550,
75.8615

■ 30.0818, 39.0677,
75.0634

■ 36.3740, 46.8134,
76.2268

■ 39.4513, 49.7363,
76.6288

■ 43.2245, 53.0525,
77.0701

■ 47.7430, 56.7877,
77.5529

■ 53.0514, 60.9653,
78.0794

■ 59.1909, 65.6065,
78.6517

■ 66.1995, 70.7314,
79.2715

■ 74.1132, 76.3587,
79.9406

Harmonies

Analogous

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



29.3694, 42.0264, 55.9451



32.0755, 42.0264, 75.5286



37.0555, 42.0264, 88.4333

Triad

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



32.0755, 42.0264, 75.5286



52.9117, 42.0264, 54.7774



36.7149, 42.0264, 19.8040

Complementary

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



32.0755, 42.0264, 75.5286



32.4964, 19.7877, 3.6983

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.



42.9806, 42.0264, 19.6468



32.0755, 42.0264, 75.5286



52.7957, 42.0264, 36.8921

Square

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



32.0755, 42.0264, 75.5286



49.3081, 42.0264, 74.4819



49.0062, 42.0264, 25.0648



31.8489, 42.0264, 25.5722

Rectangle

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



32.0755, 42.0264, 75.5286



41.2008, 42.0264, 89.7869



49.0062, 42.0264, 25.0648



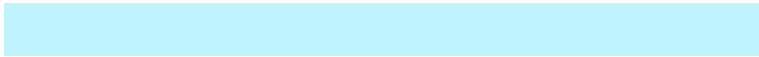
38.7146, 42.0264, 19.1569

Sweetspot

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



32.0769, 42.0279, 75.5296



71.8741, 82.8794, 106.8169



27.8042, 52.9963, 13.9465



14.8143, 17.2956, 22.8075



0.0000, 0.0000, 0.0000



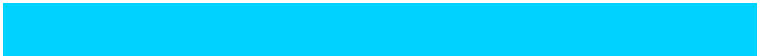
20.3446, 21.4041, 23.3091

Same Dimension

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



32.0769, 42.0279, 75.5296



41.0959, 53.3119, 102.7320



18.1856, 14.2452, 70.8992



13.9001, 15.1392, 17.5772



17.9414, 23.3523, 44.6102



1.2982, 1.7280, 3.1103

Inverse Universe

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



39.9117, 20.4072, 49.9809



52.8725, 25.9130, 63.1861



42.9426, 40.6799, 7.1803



14.1858, 13.8919, 16.7484



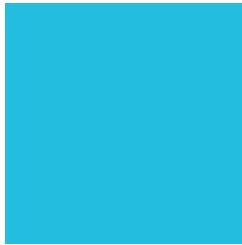
22.9962, 11.2655, 27.7093



1.6216, 0.7919, 2.0659

Previews

White Background



This preview shows how the XYZ color 32.0755, 42.0264, 75.5286 looks on a white background.

Color Contrast Check

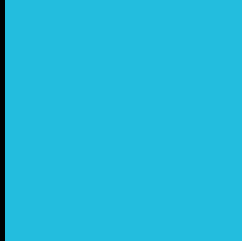
Large Text (above 18pt) WCAG AA × Fail

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 32.0755, 42.0264, 75.5286 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

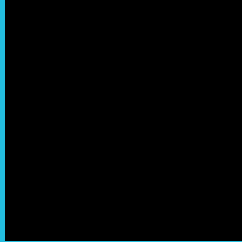
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 32.0755, 42.0264, 75.5286

Background



This preview shows how black text looks on a background with the XYZ color 32.0755, 42.0264, 75.5286.

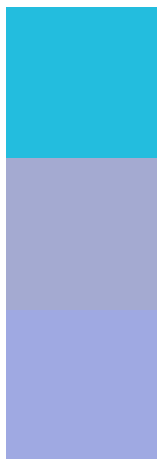


This preview shows how white text looks on a background with the XYZ color 32.0755, 42.0264,

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

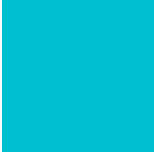
32.0755, 42.0264, 75.5286

Protanopia

41.1932, 41.2454, 66.1116

Deuteranopia

42.2135, 41.2378, 77.6863



Tritanopia

29.8933, 41.7666, 65.5177

Trichromacy



Original Color

32.0755, 42.0264, 75.5286



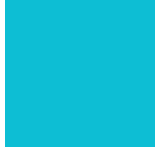
Protanomaly

35.1959, 40.0812, 69.4998



Deuteranomaly

36.0554, 40.0643, 77.0670



Tritanomaly

30.4631, 41.6659, 68.7241

Monochromacy



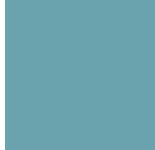
Original Color

32.0755, 42.0264, 75.5286



Achromatopsia

27.7328, 29.1771, 31.7738



Achromatomaly

26.5042, 31.9608, 44.8165

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.0755, 42.0264, 75.5286 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, 189, 222)` looks like.

```
.text, #text, p{  
    color:rgb(35, 189, 222)  
}
```

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, 189, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(35, 189, 222) }
```

Border

The CSS property to change the border of an element to XYZ 32.0755, 42.0264, 75.5286 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, 189, 222) }
```


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

```
.border{ border-color:rgb(35, 189, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(35, 189, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(35, 189, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(35, 189, 222);  
box-shadow:4px 4px 4px 4px rgb(35, 189,  
222) }
```

Background

The CSS property to change the background color of an element to XYZ 32.0755, 42.0264, 75.5286 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(35, 189, 222) }
```

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

```
.background{ background-color: rgb(35, 189,  
222) }
```

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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