

# Converting Colors

XYZ(32.6793, 43.9794, 75.1748)

Have a look what the booklet for  
XYZ(32.6793, 43.9794, 75.1748)  
contains.

<b>XYZ(32.6738, 43.9746, 75.1725)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(32.6738, 43.9746,  
75.1725)**

# Conversions

## Conversions Part 1

Format	Color
Hex	16C2DD
RGB	22, 194, 221
RGB Percent	9%, 76%, 87%
CMY	0.9136, 0.2392, 0.1333
CMYK	0.90, 0.12, 0.00, 0.13
HSL	188°, 82%, 48%
HSV	188°, 90%, 87%
XYZ	32.6738, 43.9746, 75.1725
YIQ	145.6500, -111.1790, -28.0670

# Conversions

## Conversions Part 2

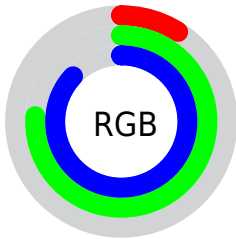
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	22, 114, 221
Decimal	1491677
CIE Lab	72.21, -29.96, -24.68
CIE LCh	72, 38.816, 219.474
Yxy	43.9746, 0.2152, 0.2896
Android (android.graphics.Color)	4279681757 (0xFF16C2DD)
YUV	145.6500, 37.1475, -108.4411
Hunter-Lab	66.3133, -28.0981, -20.7915

# Details

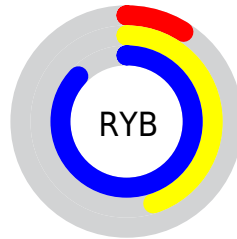
The XYZ color **32.6738, 43.9746, 75.1725** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed cyan. A complement of this color would be **31.0638, 17.6295, 2.5262**, and the grayscale version is **27.0682, 28.4779, 31.0124**.

A 20% lighter version of the original color is **59.2293, 79.6591, 106.8618**, and **16.2610, 21.5093, 39.3711** is the 20% darker color. If you saturate the color by 10%, you get **31.6850, 42.4879, 74.9385**, and if you desaturate by 10%, it is **34.0622, 45.6920, 75.4317**.

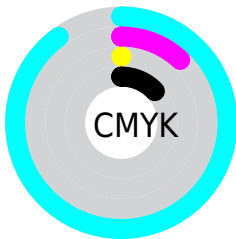
# Distribution



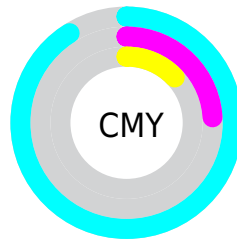
- Red (9%)
- Green (76%)
- Blue (87%)



- Red (9%)
- Yellow (45%)
- Blue (87%)



- Cyan (90%)
- Magenta (12%)
- Yellow (0%)
- Black (13%)



- Cyan (91%)
- Magenta (24%)
- Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 32.6738, 43.9746, 75.1725 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 32.6738, 43.9746, 75.1725 by changing the saturation by 10% instead.



32.6738, 43.9746,  
75.1725

32.6738, 43.9746,  
75.1725

305.8683,  
362.6046, 497.7815

22.0347, 30.6505,  
55.2516

63.2240, 81.1795,  
128.3059

13.9992, 20.3329,  
39.2033

83.8658, 105.8292,  
162.3554

8.2018, 12.6373,  
26.6088

108.5726,  
135.0228, 201.9517

4.2772, 7.1792,  
17.0498

137.7097,  
169.1448, 247.5131

1.8601, 3.5744,  
10.1077

171.6425,  
208.5796, 299.4582

0.5535, 1.4385,  
5.3639

210.7363,

0.0000, 0.2448,

253.7116, 358.2057

2.3999

255.3564,  
304.9251, 424.1739

■ 0.0000, 0.0000,  
0.7864

■ 0.0000, 0.0000,  
0.0000

■ 32.6738, 43.9746,  
75.1725

■ 32.6738, 43.9746,  
75.1725

■ 31.6850, 42.4879,  
74.9385

■ 34.0622, 45.6920,  
75.4317

■ 35.9680, 47.6955,  
75.7179

■ 38.4629, 50.0228,  
76.0357

■ 41.6063, 52.7048,  
76.3877

■ 45.4500, 55.7683,  
76.7764

■ 50.0406, 59.2373,  
77.2040

■ 55.4206, 63.1341,  
77.6726

■ 61.6294, 67.4788,  
78.1840

■ 68.7036, 72.2905,  
78.7399

# Harmonies

## Analogous

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



30.3992, 43.9746, 54.1722



32.6738, 43.9746, 75.1725



37.4670, 43.9746, 91.0731

# Triad

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



32.6738, 43.9746, 75.1725



54.9671, 43.9746, 61.9195



39.7247, 43.9746, 20.0599

# Complementary

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



32.6738, 43.9746, 75.1725



31.0638, 17.6295, 2.5262

# 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.



46.4474, 43.9746, 21.1005



32.6738, 43.9746, 75.1725



55.7366, 43.9746, 42.0965

# Square

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



32.6738, 43.9746, 75.1725



50.4738, 43.9746, 82.1200



52.4765, 43.9746, 28.1519



34.1755, 43.9746, 24.7914

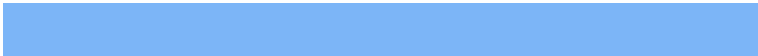


# Rectangle

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



32.6738, 43.9746, 75.1725



41.6792, 43.9746, 94.6905



52.4765, 43.9746, 28.1519



41.9141, 43.9746, 19.7821

# Sweetspot

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



32.6752, 43.9762, 75.1736



71.1879, 83.3813, 106.9500



26.7335, 52.1025, 11.5051



14.7211, 17.4674, 22.8456



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.



32.6752, 43.9762, 75.1736



43.7480, 58.6159, 103.6160



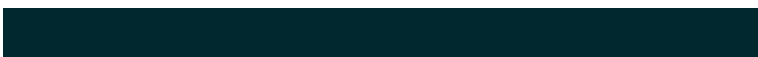
17.4739, 13.5734, 70.1065



13.2864, 14.5125, 16.7531



18.4674, 24.8042, 43.5528



1.2389, 1.6920, 2.8357



# Inverse Universe

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



39.8446, 19.8425, 52.7704



54.2111, 26.4485, 70.2351



40.5613, 36.6244, 5.6920



13.5344, 13.2429, 16.0754



22.8168, 11.1278, 29.7451

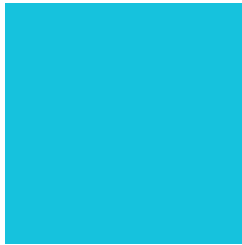


1.4997, 0.7295, 2.0401



# Previews

## White Background



This preview shows how the XYZ color 32.6738, 43.9746, 75.1725 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 32.6738, 43.9746, 75.1725 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

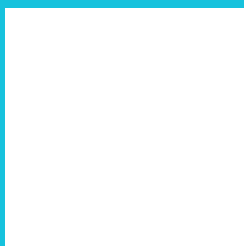
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 32.6738, 43.9746, 75.1725

## Background



This preview shows how black text looks on a background with the XYZ color 32.6738, 43.9746, 75.1725.



This preview shows how white text looks on a background with the XYZ color 32.6738, 43.9746,



# 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

32.6738, 43.9746, 75.1725

### Protanopia

42.7607, 43.2121, 65.1185

### Deuteranopia

44.3969, 43.4851, 78.0050



## Tritanopia

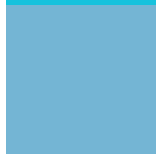
31.2730, 43.7334, 68.4211

# Trichromacy



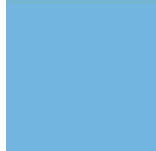
## Original Color

32.6738, 43.9746, 75.1725



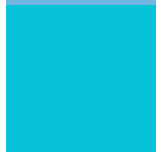
## Protanomaly

35.6100, 41.5142, 68.4236



## Deuteranomaly

36.9178, 42.0070, 76.6834



## Tritanomaly

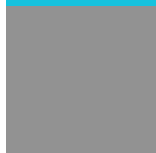
31.8810, 43.9881, 71.1002

# Monochromacy



## Original Color

32.6738, 43.9746, 75.1725



## Achromatopsia

27.3213, 28.7441, 31.3023



## Achromatomaly

26.0068, 31.9782, 44.3369

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 32.6738, 43.9746, 75.1725 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(22, 194, 221)` looks like.

```
.text, #text, p{  
    color:rgb(22, 194, 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(22, 194, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(22, 194, 221) }
```

## Border

The CSS property to change the border of an element to XYZ 32.6738, 43.9746, 75.1725 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(22, 194, 221) }
```



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

```
.border{ border-color:rgb(22, 194, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(22, 194, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(22, 194, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(22, 194, 221);  
box-shadow:4px 4px 4px 4px rgb(22, 194,  
221) }
```

# Background

The CSS property to change the background color of an element to XYZ 32.6738, 43.9746, 75.1725 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(22, 194, 221) }
```

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

```
.background{ background-color: rgb(22, 194,  
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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