

# Converting Colors

XYZ(31.4377, 44.5593, 65.3364)

Have a look what the booklet for  
XYZ(31.4377, 44.5593, 65.3364)  
contains.

<b>XYZ(31.4377, 44.5593, 65.3364)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	24
<i><b>Color Blindness Simulation</b></i> .....	28
<i><b>CSS Examples</b></i> .....	31

# Color

**XYZ(31.4377, 44.5593,  
65.3364)**

# Conversions

## Conversions Part 1

Format	Color
Hex	16C5CE
RGB	22, 197, 206
RGB Percent	9%, 77%, 81%
CMY	0.9136, 0.2274, 0.1922
CMYK	0.89, 0.04, 0.00, 0.19
HSL	183°, 81%, 45%
HSV	183°, 89%, 81%
XYZ	31.4377, 44.5593, 65.3364
YIQ	145.7010, -107.1890, -34.3010

# Conversions

## Conversions Part 2

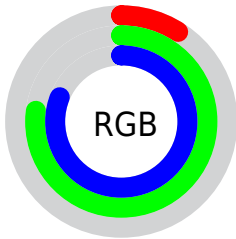
Format	Color
R <sub>Y</sub> B	22, 112, 206
Decimal	1492430
CIE Lab	72.60, -36.11, -15.93
CIE LCh	73, 39.472, 203.806
Yxy	44.5593, 0.2224, 0.3153
Android (android.graphics.Color)	4279682510 (0xFF16C5CE)
YUV	145.7010, 29.7274, -108.4858
Hunter-Lab	66.7528, -32.7514, -11.3051

# Details

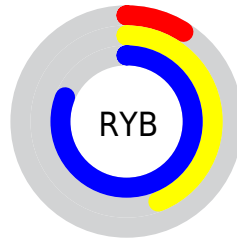
The XYZ color **31.4377, 44.5593, 65.3364** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle washed cyan. A complement of this color would be **26.0897, 14.1613, 2.1187**, and the grayscale version is **27.1167, 28.5289, 31.0679**.

A 20% lighter version of the original color is **59.9222, 81.4186, 107.1649**, and **15.4900, 21.9119, 33.1188** is the 20% darker color. If you saturate the color by 10%, you get **30.8974, 43.9432, 65.2468**, and if you desaturate by 10%, it is **32.3179, 45.3548, 65.4444**.

# Distribution



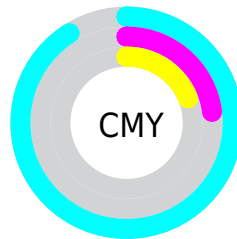
- Red (9%)
- Green (77%)
- Blue (81%)



- Red (9%)
- Yellow (44%)
- Blue (81%)



- Cyan (89%)
- Magenta (4%)
- Yellow (0%)
- Black (19%)



- Cyan (91%)
- Magenta (23%)
- Yellow (19%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 31.4377, 44.5593, 65.3364 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 31.4377, 44.5593, 65.3364 by changing the saturation by 10% instead.



 31.4377, 44.5593,  
65.3364


 31.4377, 44.5593,  
65.3364


300.3408,  
364.9858, 462.3391

 21.0858, 31.1104,  
47.2808


 61.2997, 82.0587,  
114.1513

 13.2996, 20.6830,  
32.9018


 81.5405, 106.8780,  
145.7476

 7.7136, 12.8925,  
21.7807


 105.8084,  
136.2563, 182.6947

 3.9625, 7.3545,  
13.4991

 134.4687,  
170.5779, 225.4110

 1.6809, 3.6848,  
7.6384

 167.8867,  
210.2273, 274.3150

 0.4443, 1.4989,  
3.7800

206.4278,

 0.0000, 0.2879,

255.5888, 329.8254

1.5054

250.4574,  
307.0468, 392.3605

■ 0.0000, 0.0000,  
0.2220

■ 0.0000, 0.0000,  
0.0000

■ 31.4377, 44.5593,  
65.3364

■ 31.4377, 44.5593,  
65.3364

■ 30.8974, 43.9432,  
65.2468

■ 32.3179, 45.3548,  
65.4444

■ 30.8639, 43.9025,  
65.2407

■ 33.6327, 46.3756,  
65.5721

■ 35.4416, 47.6535,  
65.7235

■ 37.7937, 49.2137,  
65.9006

■ 40.7322, 51.0785,  
66.1057

■ 44.2960, 53.2679,  
66.3405

■ 48.5205, 55.8002,  
66.6066

■ 53.4386, 58.6924,  
66.9056

■ 59.0809, 61.9602,  
67.2390

# Harmonies

## Analogous

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



30.5923, 44.5593, 44.5714



31.4377, 44.5593, 65.3364



35.0610, 44.5593, 85.6383

# Triad

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



31.4377, 44.5593, 65.3364



53.8588, 44.5593, 74.2883



43.7851, 44.5593, 19.9099

# Complementary

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



31.4377, 44.5593, 65.3364



26.0897, 14.1613, 2.1187

# 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.



50.5902, 44.5593, 24.0550



31.4377, 44.5593, 65.3364



56.7953, 44.5593, 52.6899

# Square

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



31.4377, 44.5593, 65.3364



47.8771, 44.5593, 91.7032



55.5392, 44.5593, 34.8652



37.2697, 44.5593, 21.6014



# Rectangle

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



31.4377, 44.5593, 65.3364



38.7943, 44.5593, 94.3383



55.5392, 44.5593, 34.8652



46.1214, 44.5593, 20.6210

# Sweetspot

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



31.4391, 44.5609, 65.3375



73.0312, 87.0681, 107.5644



22.6146, 44.3987, 8.4865



15.1636, 18.3525, 22.9931



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.



31.4391, 44.5609, 65.3375



49.9594, 71.0387, 105.6865



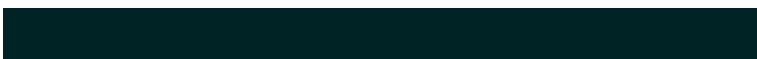
16.8223, 15.3273, 60.4652



11.4944, 12.6293, 14.4022



19.0260, 27.0761, 40.1797



0.9963, 1.4264, 2.0777



# Inverse Universe

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



35.8197, 17.7282, 54.3590



57.3464, 27.7026, 86.7450



32.3331, 26.6482, 4.1999



11.6629, 11.3939, 14.0256



21.8144, 10.5363, 33.0708

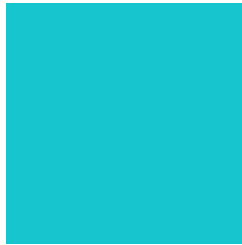


1.1328, 0.5465, 1.7454



# Previews

## White Background



This preview shows how the XYZ color 31.4377, 44.5593, 65.3364 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

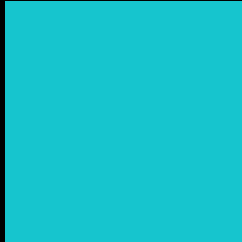
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 31.4377, 44.5593, 65.3364 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

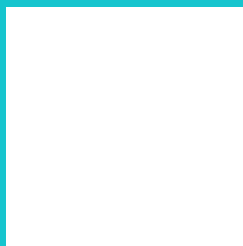
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 31.4377, 44.5593, 65.3364

## Background



This preview shows how black text looks on a background with the XYZ color 31.4377, 44.5593, 65.3364.



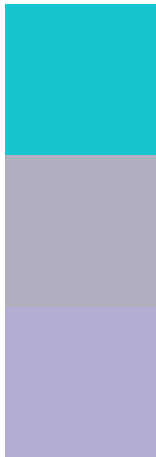
This preview shows how white text looks on a background with the XYZ color 31.4377, 44.5593,



# 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

31.4377, 44.5593, 65.3364

### Protanopia

42.5236, 43.5797, 56.0397

### Deuteranopia

44.8329, 43.9374, 67.7458



## Tritanopia

32.2193, 44.5404, 69.1864

# Trichromacy



## Original Color

31.4377, 44.5593, 65.3364



## Protanomaly

34.6193, 41.8201, 59.0708



## Deuteranomaly

36.1217, 42.1243, 66.5486



## Tritanomaly

31.8517, 44.3799, 67.8602

# Monochromacy



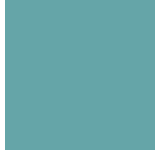
## Original Color

31.4377, 44.5593, 65.3364



## Achromatopsia

27.3213, 28.7441, 31.3023



## Achromatomaly

25.8898, 32.5041, 41.9552

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 31.4377, 44.5593, 65.3364 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, 197, 206)` looks like.

```
.text, #text, p{  
    color:rgb(22, 197, 206)  
}
```

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, 197, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(22, 197, 206) }
```

## Border

The CSS property to change the border of an element to XYZ 31.4377, 44.5593, 65.3364 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, 197, 206) }
```



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

```
.border{ border-color:rgb(22, 197, 206) }
```

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

Here you see how a box with a 4 pixel rgb(22, 197, 206) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(22, 197, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(22, 197, 206);  
box-shadow:4px 4px 4px 4px rgb(22, 197,  
206) }
```

# Background

The CSS property to change the background color of an element to XYZ 31.4377, 44.5593, 65.3364 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(22, 197, 206) }
```

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

```
.background{ background-color: rgb(22, 197,  
206) }
```

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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