

Converting Colors

XYZ(31.3113, 39.8631, 77.0464)

Have a look what the booklet for
XYZ(31.3113, 39.8631, 77.0464)
contains.

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Color

**XYZ(31.2516, 39.6783,
77.2457)**

Conversions

Conversions Part 1

Format	Color
Hex	24B7E1
RGB	36, 183, 225
RGB Percent	14%, 72%, 88%
CMY	0.8588, 0.2823, 0.1176
CMYK	0.84, 0.19, 0.00, 0.12
HSL	193°, 76%, 51%
HSV	193°, 84%, 88%
XYZ	31.2516, 39.6783, 77.2457
YIQ	143.8350, -101.0940, -18.1020

Conversions

Conversions Part 2

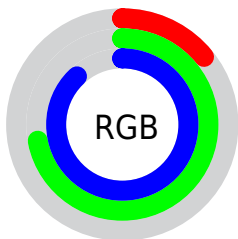
Format	Color
R _Y B	36, 119, 225
Decimal	2406369
CIE Lab	69.24, -22.31, -31.41
CIE LCh	69, 38.527, 234.614
Yxy	39.6783, 0.2109, 0.2678
Android (android.graphics.Color)	4280596449 (0xFF24B7E1)
YUV	143.8350, 40.0143, -94.5713
Hunter-Lab	62.9907, -21.6745, -28.6140

Details

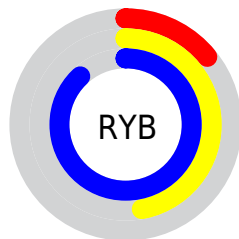
The XYZ color **31.2516, 39.6783, 77.2457** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light washed azure. A complement of this color would be **34.0960, 21.5864, 4.0401**, and the grayscale version is **26.3189, 27.6895, 30.1539**.

A 20% lighter version of the original color is **56.1190, 72.6660, 105.6759**, and **15.2383, 18.8675, 40.8689** is the 20% darker color. If you saturate the color by 10%, you get **29.6853, 37.3675, 76.8830**, and if you desaturate by 10%, it is **33.3498, 42.3191, 77.6456**.

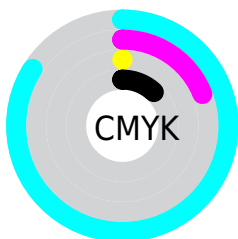
Distribution



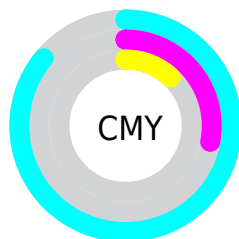
- Red (14%)
- Green (72%)
- Blue (88%)



- Red (14%)
- Yellow (47%)
- Blue (88%)



- Cyan (84%)
- Magenta (19%)
- Yellow (0%)
- Black (12%)



- Cyan (86%)
- Magenta (28%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.2516, 39.6783, 77.2457 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 31.2516, 39.6783, 77.2457 by changing the saturation by 10% instead.

■ 31.2516, 39.6783,
77.2457

■ 31.2516, 39.6783,
77.2457

299.5020,
344.7658, 505.0612

■ 20.9433, 27.2878,
56.9418

■ 61.0091, 74.6734,
131.2624

■ 13.1948, 17.7895,
40.5495

■ 81.1890, 98.0468,
165.8123

■ 7.6407, 10.7990,
27.6502

■ 105.3902,
125.8499, 205.9480

■ 3.9158, 5.9318,
17.8254

■ 133.9779,
158.4672, 252.0879

■ 1.6546, 2.8037,
10.6565

■ 167.3176,
196.2831, 304.6506

■ 0.4276, 1.0301,
5.7251

205.7746,

■ 0.0000, 0.0000,

239.6818, 364.0548

2.6126

249.7143,
289.0479, 430.7188

■ 0.0000, 0.0000,
0.8990

■ 0.0000, 0.0000,
0.0000

■ 31.2516, 39.6783,
77.2457

■ 31.2516, 39.6783,
77.2457

■ 29.6853, 37.3675,
76.8830

■ 33.3498, 42.3191,
77.6456

■ 28.9203, 36.0954,
76.6778

■ 36.0563, 45.3278,
78.0837

■ 39.4388, 48.7404,
78.5641

■ 43.5545, 52.5870,
79.0897

■ 48.4544, 56.8944,
79.6628

■ 54.1848, 61.6871,
80.2859

■ 60.7883, 66.9873,
80.9609

■ 68.3043, 72.8162,
81.6898

■ 76.7701, 79.1932,
82.4745

Harmonies

Analogous

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



27.9227, 39.6783, 58.9560



31.2516, 39.6783, 77.2457



36.6104, 39.6783, 86.6271

Triad

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



31.2516, 39.6783, 77.2457



50.8006, 39.6783, 46.4713



32.9844, 39.6783, 19.0902

Complementary

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



31.2516, 39.6783, 77.2457



34.0960, 21.5864, 4.0401

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.



38.8376, 39.6783, 17.4363



31.2516, 39.6783, 77.2457



49.5598, 39.6783, 30.5402

Square

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



31.2516, 39.6783, 77.2457



48.2358, 39.6783, 66.0166



45.0088, 39.6783, 21.0008



28.8441, 39.6783, 26.3630

Rectangle

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



31.2516, 39.6783, 77.2457



40.7863, 39.6783, 85.1265



45.0088, 39.6783, 21.0008



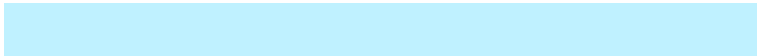
34.7982, 39.6783, 17.9599

Sweetspot

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



31.2529, 39.6797, 77.2467



71.0045, 81.1403, 106.5270



28.9920, 54.7617, 16.0567



14.6041, 16.8751, 22.7375



0.0000, 0.0000, 0.0000



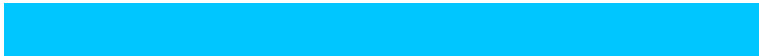
20.3446, 21.4041, 23.3091

Same Dimension

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



31.2529, 39.6797, 77.2467



38.3196, 47.7592, 101.8065



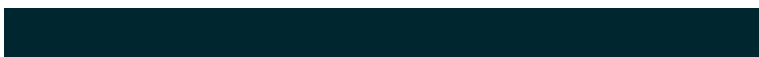
17.9384, 13.0506, 72.8085



13.8447, 15.0285, 17.5588



16.7556, 20.9807, 44.2149



1.2258, 1.5832, 3.0862

Inverse Universe

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



40.2306, 20.6896, 46.6742



51.4712, 25.3525, 55.8066



46.0196, 45.4336, 8.0146



14.1578, 13.8808, 16.6013



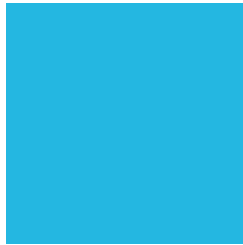
22.3976, 11.0261, 24.5574



1.5850, 0.7773, 1.8735

Previews

White Background



This preview shows how the XYZ color 31.2516, 39.6783, 77.2457 looks on a white background.

Color Contrast Check

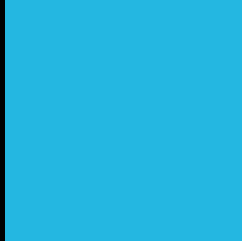
Large Text (above 18pt) WCAG AA × Fail

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 31.2516, 39.6783, 77.2457 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 31.2516, 39.6783, 77.2457

Background



This preview shows how black text looks on a background with the XYZ color 31.2516, 39.6783, 77.2457.



This preview shows how white text looks on a background with the XYZ color 31.2516, 39.6783,

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

31.2516, 39.6783, 77.2457

Protanopia

39.2302, 39.0938, 67.7656

Deuteranopia

40.1735, 39.3191, 79.6007



Tritanopia

28.3129, 39.7577, 61.4401

Trichromacy



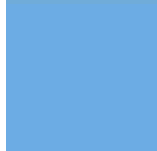
Original Color

31.2516, 39.6783, 77.2457



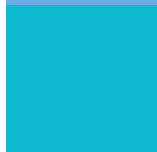
Protanomaly

33.9590, 37.9595, 71.1827



Deuteranomaly

34.9405, 38.2946, 78.9488



Tritanomaly

29.3577, 39.8565, 67.1185

Monochromacy



Original Color

31.2516, 39.6783, 77.2457



Achromatopsia

26.5089, 27.8894, 30.3716



Achromatomaly

25.5954, 30.4741, 44.0682

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.2516, 39.6783, 77.2457 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(36, 183, 225)` looks like.

```
.text, #text, p{  
    color:rgb(36, 183, 225)  
}
```

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(36, 183, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(36, 183, 225) }
```

Border

The CSS property to change the border of an element to XYZ 31.2516, 39.6783, 77.2457 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(36, 183, 225) }
```


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

```
.border{ border-color:rgb(36, 183, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(36, 183, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(36, 183, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(36, 183, 225);  
box-shadow:4px 4px 4px 4px rgb(36, 183,  
225) }
```

Background

The CSS property to change the background color of an element to XYZ 31.2516, 39.6783, 77.2457 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(36, 183, 225) }
```

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

```
.background{ background-color: rgb(36, 183,  
225) }
```

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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