

Converting Colors

XYZ(31.7246, 41.2621, 77.7537)

Have a look what the booklet for
XYZ(31.7246, 41.2621, 77.7537)
contains.

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Color

**XYZ(31.6104, 41.1055,
77.5023)**

Conversions

Conversions Part 1

Format	Color
Hex	12BBE1
RGB	18, 187, 225
RGB Percent	7%, 73%, 88%
CMY	0.9293, 0.2667, 0.1176
CMYK	0.92, 0.17, 0.00, 0.12
HSL	191°, 85%, 48%
HSV	191°, 92%, 88%
XYZ	31.6104, 41.1055, 77.5023
YIQ	140.8010, -112.9220, -24.0100

Conversions

Conversions Part 2

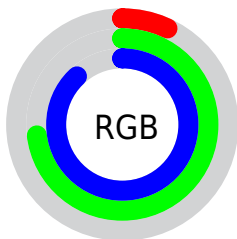
Format	Color
RYB	18, 111, 225
Decimal	1227745
CIELab	70.25, -25.35, -29.87
CIELCh	70, 39.173, 229.678
Yxy	41.1055, 0.2104, 0.2736
Android (android.graphics.Color)	4279417825 (0xFF12BBE1)
YUV	140.8010, 41.5101, -107.6965
Hunter-Lab	64.1136, -24.1915, -26.7919

Details

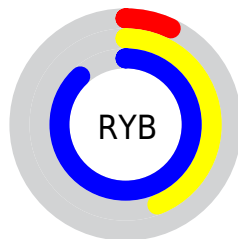
The XYZ color **31.6104, 41.1055, 77.5023** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed azure. A complement of this color would be **32.5772, 18.8835, 2.5018**, and the grayscale version is **25.1189, 26.4270, 28.7791**.

A 20% lighter version of the original color is **56.6561, 74.7007, 106.0403**, and **15.7808, 19.9525, 41.0497** is the 20% darker color. If you saturate the color by 10%, you get **30.6670, 39.5888, 77.2601**, and if you desaturate by 10%, it is **33.1469, 43.2181, 77.8299**.

Distribution



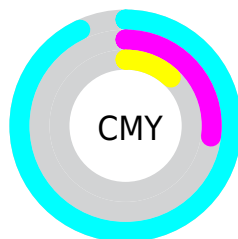
- Red (7%)
- Green (73%)
- Blue (88%)



- Red (7%)
- Yellow (44%)
- Blue (88%)



- Cyan (92%)
- Magenta (17%)
- Yellow (0%)
- Black (12%)



- Cyan (93%)
- Magenta (27%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.6104, 41.1055, 77.5023 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 31.6104, 41.1055, 77.5023 by changing the saturation by 10% instead.

■ 31.6104, 41.1055,
77.5023

■ 31.6104, 41.1055,
77.5023

301.1176,
350.7614, 505.9580

■ 21.2182, 28.4015,
57.1512

■ 61.5691, 76.8440,
131.6278

■ 13.3970, 18.6286,
40.7165

■ 81.8664, 100.6474,
166.2392

■ 7.7813, 11.4022,
27.7796

■ 106.1960,
128.9193, 206.4412

■ 4.0060, 6.3380,
17.9220

■ 134.9234,
162.0442, 252.6523

■ 1.7055, 3.0517,
10.7251

■ 168.4139,
200.4064, 305.2909

■ 0.4597, 1.1588,
5.7705

207.0329,

■ 0.0000, 0.0277,

244.3904, 364.7757

2.6395

251.1456,
294.3806, 431.5253

■ 0.0000, 0.0000,
0.9127

■ 0.0000, 0.0000,
0.0000

■ 31.6104, 41.1055,
77.5023

■ 31.6104, 41.1055,
77.5023

■ 30.6670, 39.5888,
77.2601

■ 33.1469, 43.2181,
77.8299

■ 35.2176, 45.6432,
78.1889

■ 37.9008, 48.4221,
78.5838

■ 41.2604, 51.5880,
79.0178

■ 45.3522, 55.1699,
79.4936

■ 50.2258, 59.1939,
80.0134

■ 55.9267, 63.6835,
80.5795

■ 62.4965, 68.6606,
81.1939

■ 69.9742, 74.1455,
81.8585

Harmonies

Analogous

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



28.5562, 41.1055, 57.7548



31.6104, 41.1055, 77.5023



36.8981, 41.1055, 89.3519

Triad

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



31.6104, 41.1055, 77.5023



52.5230, 41.1055, 51.3985



35.0567, 41.1055, 19.0302

Complementary

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



31.6104, 41.1055, 77.5023



32.5772, 18.8835, 2.5018

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.



41.3245, 41.1055, 18.1983



31.6104, 41.1055, 77.5023



51.8905, 41.1055, 33.8719

Square

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



31.6104, 41.1055, 77.5023



49.2623, 41.1055, 71.7674



47.6185, 41.1055, 22.8435



30.3897, 41.1055, 25.5491

Rectangle

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



31.6104, 41.1055, 77.5023



41.1827, 41.1055, 89.4614



47.6185, 41.1055, 22.8435



37.0299, 41.1055, 18.1605

Sweetspot

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



31.6118, 41.1069, 77.5033



69.4411, 80.8003, 106.5438



27.8891, 54.2654, 12.7434



14.1944, 16.7599, 22.7368



0.0000, 0.0000, 0.0000



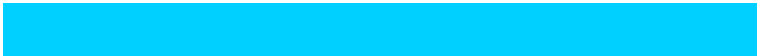
20.3446, 21.4041, 23.3091

Same Dimension

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



31.6118, 41.1069, 77.5033



40.6501, 52.4203, 102.5834



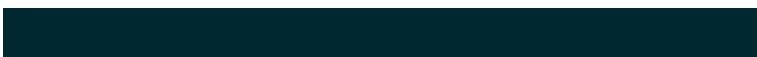
16.9785, 11.8404, 72.6256



13.8914, 15.1220, 17.5744



17.7511, 22.9718, 44.5468



1.2867, 1.7049, 3.1065

Inverse Universe

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



40.2385, 20.0296, 48.7603



52.6475, 25.8230, 62.0011



43.6391, 41.0074, 6.1891



14.1814, 13.8902, 16.7255



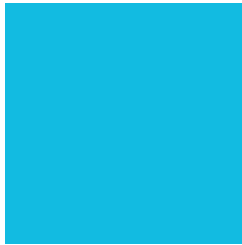
22.9001, 11.2271, 27.2037



1.6157, 0.7896, 2.0352

Previews

White Background



This preview shows how the XYZ color 31.6104, 41.1055, 77.5023 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 31.6104, 41.1055, 77.5023 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

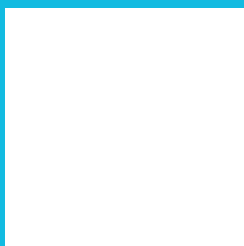
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.6104, 41.1055, 77.5023

Background



This preview shows how black text looks on a background with the XYZ color 31.6104, 41.1055, 77.5023.



This preview shows how white text looks on a background with the XYZ color 31.6104, 41.1055,

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

31.6104, 41.1055, 77.5023

Protanopia

40.5688, 40.6030, 67.9863

Deuteranopia

41.4719, 40.5324, 79.7665



Tritanopia

29.4329, 41.2347, 64.1654

Trichromacy



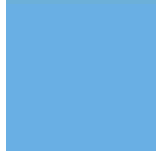
Original Color

31.6104, 41.1055, 77.5023



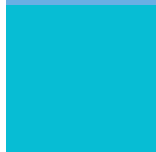
Protanomaly

34.2341, 39.2486, 71.4170



Deuteranomaly

35.1593, 39.2646, 79.1245



Tritanomaly

30.1689, 41.1938, 68.6485

Monochromacy



Original Color

31.6104, 41.1055, 77.5023



Achromatopsia

25.3171, 26.6356, 29.0061



Achromatomaly

24.4971, 29.9191, 43.5135

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.6104, 41.1055, 77.5023 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(18, 187, 225)` looks like.

```
.text, #text, p{  
    color:rgb(18, 187, 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(18, 187, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(18, 187, 225) }
```

Border

The CSS property to change the border of an element to XYZ 31.6104, 41.1055, 77.5023 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(18, 187, 225) }
```


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

```
.border{ border-color:rgb(18, 187, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(18, 187, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(18, 187, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(18, 187, 225);  
box-shadow:4px 4px 4px 4px rgb(18, 187,  
225) }
```

Background

The CSS property to change the background color of an element to XYZ 31.6104, 41.1055, 77.5023 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(18, 187, 225) }
```

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

```
.background{ background-color: rgb(18, 187,  
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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