

Converting Colors

XYZ(16.6144, 10.2639, 74.5043)

Have a look what the booklet for
XYZ(16.6144, 10.2639, 74.5043)
contains.

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Color

**XYZ(16.6335, 10.3021,
74.5106)**

Conversions

Conversions Part 1

Format	Color
Hex	1847E4
RGB	24, 71, 228
RGB Percent	9%, 28%, 89%
CMY	0.9058, 0.7216, 0.1059
CMYK	0.89, 0.69, 0.00, 0.11
HSL	226°, 81%, 49%
HSV	226°, 89%, 89%
XYZ	16.6335, 10.3021, 74.5106
YIQ	74.8450, -78.4090, 38.8630

Conversions

Conversions Part 2

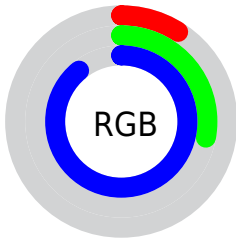
Format	Color
R_{YB}	24, 62, 228
Decimal	1591268
CIE _{Lab}	38.38, 45.28, -82.49
CIE _{LCh}	38, 94.098, 298.764
Yxy	10.3021, 0.1640, 0.1016
Android (android.graphics.Color)	4279781348 (0xFF1847E4)
YUV	74.8450, 75.5054, -44.5911
Hunter-Lab	32.0969, 36.3341, -115.1696

Details

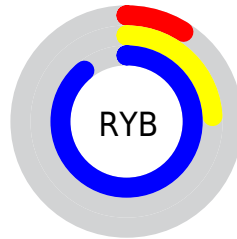
The XYZ color **16.6335, 10.3021, 74.5106** is a dark color, and the websafe version is hex **0033CC**. The color can be described as dark washed blue. A complement of this color would be **48.6907, 49.6211, 7.8774**, and the grayscale version is **6.5405, 6.8811, 7.4935**.

A 20% lighter version of the original color is **31.5765, 24.1637, 97.6075**, and **7.7659, 3.7708, 38.8466** is the 20% darker color. If you saturate the color by 10%, you get **15.3127, 8.1967, 74.1742**, and if you desaturate by 10%, it is **18.7030, 13.2715, 74.9750**.

Distribution



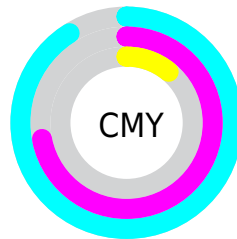
- Red (9%)
- Green (28%)
- Blue (89%)



- Red (9%)
- Yellow (24%)
- Blue (89%)



- Cyan (89%)
- Magenta (69%)
- Yellow (0%)
- Black (11%)



- Cyan (91%)
- Magenta (72%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.6335, 10.3021, 74.5106 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 16.6335, 10.3021, 74.5106 by changing the saturation by 10% instead.

■ 16.6335, 10.3021,
74.5106

■ 16.6335, 10.3021,
74.5106

226.2491,
192.8148, 495.4442

■ 10.0672, 5.5997,
54.7127

■ 37.2432, 26.3622,
127.3601

■ 5.5062, 2.6032,
38.7747

■ 52.0173, 38.4887,
161.2488

■ 2.5850, 0.9283,
26.2780

■ 70.2581, 53.8587,
200.6715

■ 0.9383, 0.0000,
16.8041

■ 92.3308, 72.8565,
246.0467

■ 0.0000, 0.0000,
9.9345

■ 118.6009, 95.8667,
297.7931

■ 0.0000, 0.0000,
5.2505

149.4338,

■ 0.0000, 0.0000,

123.2735, 356.3291

2.3337

185.1947,
155.4614, 422.0733

■ 0.0000, 0.0000,
0.7500

■ 0.0000, 0.0000,
0.0000

■ 16.6335, 10.3021,
74.5106

■ 16.6335, 10.3021,
74.5106

■ 15.3127, 8.1967,
74.1742

■ 18.7030, 13.2715,
74.9750

■ 15.2541, 8.1024,
74.1591

■ 21.6670, 17.2181,
75.5806

■ 25.6240, 22.2262,
76.3387

■ 30.6583, 28.3701,
77.2592

■ 36.8447, 35.7169,
78.3512

■ 44.2512, 44.3284,
79.6231

■ 52.9403, 54.2620,
81.0825

■ 62.9701, 65.5712,
82.7367

■ 74.3951, 78.3069,
84.5928

Harmonies

Analogous

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



9.5397, 10.3021, 90.1967



16.6335, 10.3021, 74.5106



23.7325, 10.3021, 39.4277

Triad

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



16.6335, 10.3021, 74.5106



17.2687, 10.3021, 0.0000



2.1007, 10.3021, 10.5044

Complementary

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



16.6335, 10.3021, 74.5106



48.6907, 49.6211, 7.8774

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.



2.7736, 10.3021, 1.2371



16.6335, 10.3021, 74.5106



10.0484, 10.3021, 0.0000

Square

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



16.6335, 10.3021, 74.5106



24.1944, 10.3021, 1.5505



5.1427, 10.3021, 0.0000



2.6653, 10.3021, 36.5821

Rectangle

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



16.6335, 10.3021, 74.5106



26.5111, 10.3021, 19.1689



5.1427, 10.3021, 0.0000



2.1817, 10.3021, 5.8394

Sweetspot

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



16.6342, 10.3023, 74.5109



59.4576, 59.9208, 103.0399



36.4007, 58.9935, 52.8663



11.9575, 11.9403, 21.9244



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.



16.6342, 10.3023, 74.5109



19.5995, 10.3191, 95.5665



17.5075, 7.8936, 74.0000



13.8508, 14.4229, 18.1982



8.8827, 4.8275, 42.8468



0.7259, 0.4958, 3.1894

Inverse Universe

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



33.4596, 17.6035, 7.5952



42.0221, 21.5729, 6.0487



45.2771, 64.5069, 10.9305



14.5123, 14.4221, 15.6320



18.8771, 9.6850, 2.9817



1.4300, 0.7297, 0.4051

Previews

White Background



This preview shows how the XYZ color 16.6335, 10.3021, 74.5106 looks on a white background.

Color Contrast Check

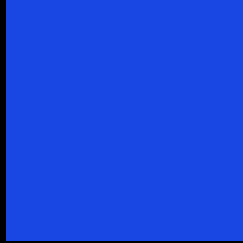
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 16.6335, 10.3021, 74.5106 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

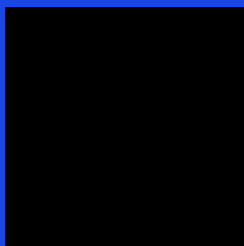
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.6335, 10.3021, 74.5106

Background



This preview shows how black text looks on a background with the XYZ color 16.6335, 10.3021, 74.5106.



This preview shows how white text looks on a background with the XYZ color 16.6335, 10.3021,

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

16.6335, 10.3021, 74.5106

Protanopia

11.7713, 10.0330, 45.5721

Deuteranopia

9.7435, 10.0209, 32.4310



Tritanopia

7.1070, 10.1343, 14.9461

Trichromacy



Original Color

16.6335, 10.3021, 74.5106

Protanomaly

13.3639, 10.0665, 55.2715

Deuteranomaly

11.7265, 9.7761, 45.5249

Tritanomaly

9.1901, 9.4048, 30.1851

Monochromacy



Original Color

16.6335, 10.3021, 74.5106

Achromatopsia

6.6877, 7.0360, 7.6622

Achromatomaly

8.1764, 7.3770, 22.4657

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.6335, 10.3021, 74.5106 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(24, 71, 228)` looks like.

```
.text, #text, p{  
    color:rgb(24, 71, 228)  
}
```

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(24, 71, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(24, 71, 228) }
```

Border

The CSS property to change the border of an element to XYZ 16.6335, 10.3021, 74.5106 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(24, 71, 228) }
```


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

```
.border{ border-color:rgb(24, 71, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(24, 71, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(24, 71, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(24, 71, 228);  
box-shadow:4px 4px 4px 4px rgb(24, 71,  
228) }
```

Background

The CSS property to change the background color of an element to XYZ 16.6335, 10.3021, 74.5106 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(24, 71, 228) }
```

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

```
.background{ background-color: rgb(24, 71,  
228) }
```

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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