

Converting Colors

XYZ(9.9795, 4.1002, 49.9246)

Have a look what the booklet for
XYZ(9.9795, 4.1002, 49.9246)
contains.

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Color

**XYZ(10.0259, 4.1178,
50.1356)**

Conversions

Conversions Part 1

Format	Color
Hex	1C03C0
RGB	28, 3, 192
RGB Percent	11%, 1%, 75%
CMY	0.8901, 0.9883, 0.2471
CMYK	0.85, 0.98, 0.00, 0.25
HSL	248°, 97%, 38%
HSV	248°, 98%, 75%
XYZ	10.0259, 4.1178, 50.1356
YIQ	32.0210, -45.7690, 64.0790

Conversions

Conversions Part 2

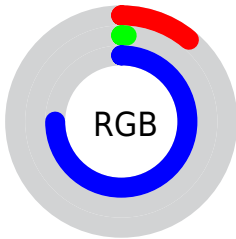
Format	Color
RYB	28, 3, 192
Decimal	1835968
CIELab	24.06, 63.59, -85.38
CIELCh	24, 106.453, 306.678
Yxy	4.1178, 0.1560, 0.0641
Android (android.graphics.Color)	4280026048 (0xFF1C03C0)
YUV	32.0210, 78.8696, -3.5264
Hunter-Lab	20.2924, 52.6803, -132.2810

Details

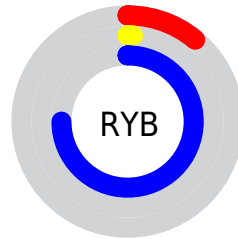
The XYZ color **10.0259, 4.1178, 50.1356** is a dark color, and the websafe version is hex **3300CC**. The color can be described as dark washed blue. A complement of this color would be **34.7962, 45.9182, 7.1150**, and the grayscale version is **1.3225, 1.3914, 1.5152**.

A 20% lighter version of the original color is **25.5191, 13.8839, 91.7773**, and **4.5154, 1.8061, 23.7775** is the 20% darker color. If you saturate the color by 10%, you get **9.9259, 4.0179, 50.1218**, and if you desaturate by 10%, it is **10.8730, 4.9374, 50.2493**.

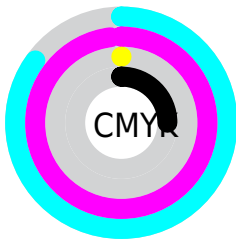
Distribution



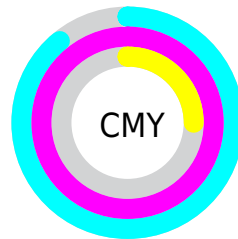
- Red (11%)
- Green (1%)
- Blue (75%)



- Red (11%)
- Yellow (1%)
- Blue (75%)



- Cyan (85%)
- Magenta (98%)
- Yellow (0%)
- Black (25%)



- Cyan (89%)
- Magenta (99%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.0259, 4.1178, 50.1356 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 10.0259, 4.1178, 50.1356 by changing the saturation by 10% instead.

■ 10.0259, 4.1178,
50.1356

■ 10.0259, 4.1178,
50.1356

184.9066,
140.9381, 403.9462

■ 5.4785, 1.7397,
35.1492

■ 25.4934, 13.8778,
91.7741

■ 2.5683, 0.4491,
23.4934

■ 37.1443, 22.0284,
119.2634

■ 0.9298, 0.0000,
14.7495

■ 51.8937, 32.8720,
151.7573

■ 0.0000, 0.0000,
8.4991

■ 70.1071, 46.7929,
189.6744

■ 0.0000, 0.0000,
4.3236

■ 92.1497, 64.1756,
233.4334


■ 0.0000, 0.0000,
1.8045


■ 118.3869, 85.4044,

■ 0.0000, 0.0000,

283.4526

0.4309

 149.1841,
110.8638, 340.1507


 0.0000, 0.0000,
0.0000

 10.0259, 4.1178,
50.1356


 10.0259, 4.1178,
50.1356


 9.9259, 4.0179,
50.1218

 10.8730, 4.9374,
50.2493

 12.2660, 6.4214,
50.4623

 14.3024, 8.7188,
50.7985

 17.0505, 11.9263,
51.2727

 20.5693, 16.1266,
51.8980

■ 24.9117, 21.3934,
52.6857

■ 30.1258, 27.7931,
53.6462

■ 36.2560, 35.3867,
54.7888

■ 43.3437, 44.2310,
56.1224

Harmonies

Analogous

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



4.8175, 4.1178, 72.6866



10.0259, 4.1178, 50.1356



15.0356, 4.1178, 18.7190

Triad

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



10.0259, 4.1178, 50.1356



7.5363, 4.1178, 0.0000



0.0000, 4.1178, 7.3526

Complementary

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



10.0259, 4.1178, 50.1356



34.7962, 45.9182, 7.1150

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.



0.1450, 4.1178, 0.0000



10.0259, 4.1178, 50.1356



3.1309, 4.1178, 0.0000

Square

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



10.0259, 4.1178, 50.1356



13.0637, 4.1178, 0.0000



0.9867, 4.1178, 0.0000



0.4472, 4.1178, 31.7683

Rectangle

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



10.0259, 4.1178, 50.1356



16.5019, 4.1178, 5.7954



0.9867, 4.1178, 0.0000



0.0000, 4.1178, 3.3863

Sweetspot

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



10.0263, 4.1178, 50.1358



52.5293, 47.8252, 96.8229



23.9170, 32.5554, 54.8926



10.3956, 9.1869, 20.6106



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



10.0263, 4.1178, 50.1358



17.8698, 7.2207, 90.8122



17.2298, 7.8313, 50.4729



9.6496, 9.8105, 12.6699



6.7173, 2.7233, 33.7282



0.3316, 0.1390, 1.4592

Inverse Universe

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



28.7431, 14.0603, 37.7438



51.8878, 25.3052, 67.6636



21.8025, 39.2198, 6.5069



10.4381, 10.2238, 12.3973



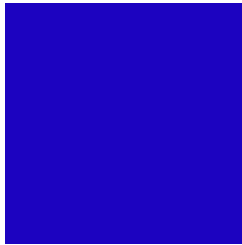
19.3152, 9.4158, 25.3697



0.8508, 0.4133, 1.1818

Previews

White Background



This preview shows how the XYZ color 10.0259, 4.1178, 50.1356 looks on a white background.

Color Contrast Check

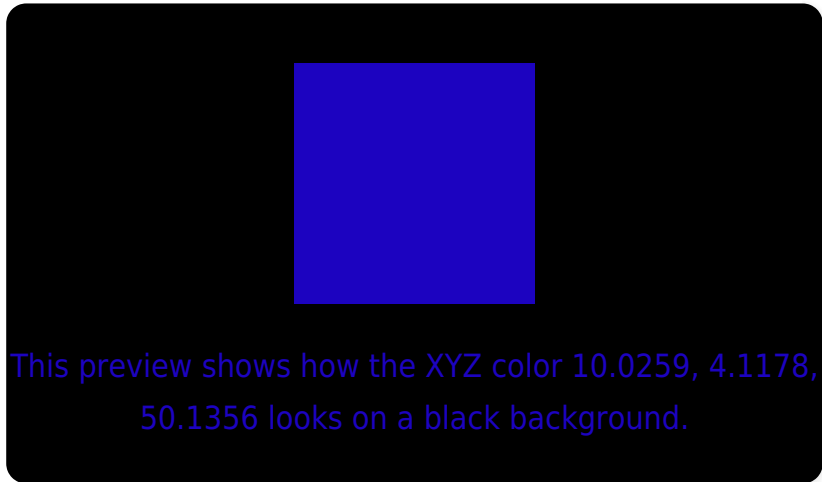
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

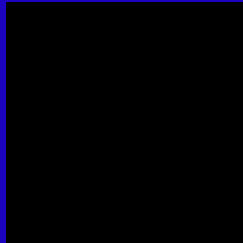
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 10.0259, 4.1178, 50.1356

Background



This preview shows how black text looks on a background with the XYZ color 10.0259, 4.1178, 50.1356.



This preview shows how white text looks on a background with the XYZ color 10.0259, 4.1178,

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

10.0259, 4.1178, 50.1356

Protanopia

4.8533, 4.2823, 18.3401

Deuteranopia

4.0670, 4.2968, 13.1854



Tritanopia

3.0224, 4.3261, 6.3059

Trichromacy



Original Color

10.0259, 4.1178, 50.1356

Protanomaly

5.9750, 3.4630, 27.5476

Deuteranomaly

5.2571, 3.3314, 23.2876

Tritanomaly

4.0263, 3.0072, 16.2878

Monochromacy



Original Color

10.0259, 4.1178, 50.1356

Achromatopsia

1.3729, 1.4444, 1.5729

Achromatomaly

2.6787, 1.5658, 9.8339

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.0259, 4.1178, 50.1356 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(28, 3, 192)` looks like.

```
.text, #text, p{  
    color:rgb(28, 3, 192)  
}
```

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(28, 3, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(28, 3, 192) }
```

Border

The CSS property to change the border of an element to XYZ 10.0259, 4.1178, 50.1356 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(28, 3, 192) }
```


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

```
.border{ border-color:rgb(28, 3, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(28, 3, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(28, 3, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(28, 3, 192);  
box-shadow:4px 4px 4px 4px rgb(28, 3, 192)  
}
```

Background

The CSS property to change the background color of an element to XYZ 10.0259, 4.1178, 50.1356 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(28, 3, 192) }
```

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

```
.background{ background-color: rgb(28, 3,  
192) }
```

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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