

Converting Colors

XYZ(15.0449, 18.2577, 38.4351)

Have a look what the booklet for
XYZ(15.0449, 18.2577, 38.4351)
contains.

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Color

**XYZ(15.0081, 18.2187,
38.3229)**

Conversions

Conversions Part 1

Format	Color
Hex	217FA5
RGB	33, 127, 165
RGB Percent	13%, 50%, 65%
CMY	0.8705, 0.5020, 0.3529
CMYK	0.80, 0.23, 0.00, 0.35
HSL	197°, 67%, 39%
HSV	197°, 80%, 65%
XYZ	15.0081, 18.2187, 38.3229
YIQ	103.2260, -68.2220, -8.1100

Conversions

Conversions Part 2

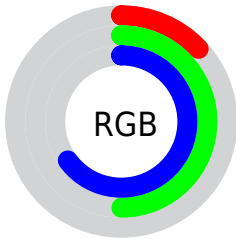
Format	Color
R_{YB}	33, 88, 165
Decimal	2195365
CIE _{Lab}	49.76, -13.20, -27.83
CIE _{LCh}	50, 30.801, 244.625
Yxy	18.2187, 0.2098, 0.2546
Android (android.graphics.Color)	4280385445 (0xFF217FA5)
YUV	103.2260, 30.4546, -61.5882
Hunter-Lab	42.6834, -11.9327, -23.3547

Details

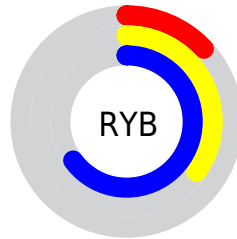
The XYZ color **15.0081, 18.2187, 38.3229** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **18.0457, 12.6170, 2.9238**, and the grayscale version is **12.8878, 13.5589, 14.7657**.

A 20% lighter version of the original color is **34.4951, 40.5191, 73.7130**, and **5.7050, 6.6410, 16.6039** is the 20% darker color. If you saturate the color by 10%, you get **14.0046, 16.8122, 38.1047**, and if you desaturate by 10%, it is **16.3007, 19.8177, 38.5638**.

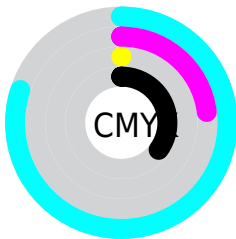
Distribution



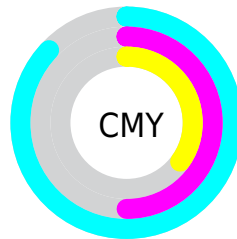
- Red (13%)
- Green (50%)
- Blue (65%)



- Red (13%)
- Yellow (35%)
- Blue (65%)



- Cyan (80%)
- Magenta (23%)
- Yellow (0%)
- Black (35%)



- Cyan (87%)
- Magenta (50%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.0081, 18.2187, 38.3229 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 15.0081, 18.2187, 38.3229 by changing the saturation by 10% instead.

■ 15.0081, 18.2187,
38.3229

■ 15.0081, 18.2187,
38.3229

■ 216.8026,
242.1009, 354.3427

■ 8.9114, 11.1071,
25.9296

■ 34.4389, 40.4096,
73.8117

■ 4.7401, 6.1389,
16.5457

■ 48.5038, 56.2578,
97.7443

■ 2.1288, 2.9297,
9.7526

■ 65.9554, 75.7869,
126.3604

■ 0.7048, 1.0952,
5.1318

■ 87.1592, 99.3814,
160.0786

■ 0.0000, 0.0000,
2.2647

■ 112.4804,
127.4256, 199.3174

■ 0.0000, 0.0000,
0.7113

■ 142.2845,

■ 0.0000, 0.0000,

160.3040, 244.4953

0.0000

176.9368,
198.4010, 296.0309

■ 15.0081, 18.2187,
38.3229

■ 15.0081, 18.2187,
38.3229

■ 14.0046, 16.8122,
38.1047

■ 16.3007, 19.8177,
38.5638

■ 13.2116, 15.5564,
37.9041

■ 17.9142, 21.6254,
38.8277

■ 13.2111, 15.5556,
37.9040

■ 19.8780, 23.6578,
39.1164

■ 22.2177, 25.9285,
39.4314

■ 24.9561, 28.4500,
39.7738

■ 28.1143, 31.2336,
40.1446

■ 31.7118, 34.2899,
40.5449

■ 35.7668, 37.6288,
40.9757

■ 40.2964, 41.2597,
41.4378

Harmonies

Analogous

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



13.0741, 18.2187, 30.5140



15.0081, 18.2187, 38.3229



17.7755, 18.2187, 40.7085

Triad

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



15.0081, 18.2187, 38.3229



23.5744, 18.2187, 18.5619



14.3028, 18.2187, 9.2859

Complementary

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



15.0081, 18.2187, 38.3229



18.0457, 12.6170, 2.9238

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.



16.8651, 18.2187, 7.6923



15.0081, 18.2187, 38.3229



22.3893, 18.2187, 11.9960

Square

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



15.0081, 18.2187, 38.3229



22.9339, 18.2187, 27.6032



19.8499, 18.2187, 8.5219



12.7003, 18.2187, 13.6841

Rectangle

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



15.0081, 18.2187, 38.3229



19.7766, 18.2187, 38.4618



19.8499, 18.2187, 8.5219



15.0691, 18.2187, 8.4711

Sweetspot

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



15.0087, 18.2193, 38.3234



47.7404, 53.6610, 71.5938



15.2012, 27.6814, 10.4039



10.0254, 11.3668, 15.6031



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



15.0087, 18.2193, 38.3234



23.9917, 28.3632, 67.9625



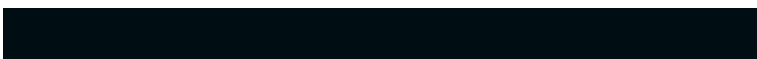
9.1205, 6.4430, 36.3606



7.1030, 7.6651, 9.0082



10.0385, 11.8564, 28.6892



0.2482, 0.3237, 0.6153

Inverse Universe

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



19.8923, 10.6201, 21.0807



33.7994, 16.8788, 32.4868



24.6529, 25.8313, 5.1262



7.2770, 7.1672, 8.4450



14.2124, 7.0410, 13.5752



0.3175, 0.1555, 0.3844

Previews

White Background



This preview shows how the XYZ color 15.0081, 18.2187, 38.3229 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 15.0081, 18.2187, 38.3229 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 × Fail

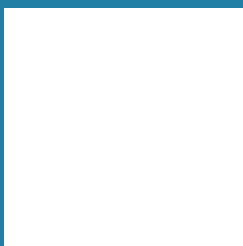
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 15.0081, 18.2187, 38.3229

Background



This preview shows how black text looks on a background with the XYZ color 15.0081, 18.2187, 38.3229.

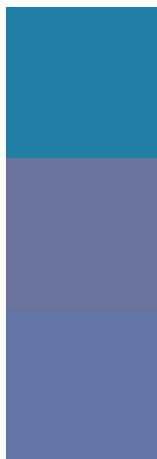


This preview shows how white text looks on a background with the XYZ color 15.0081, 18.2187,

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

15.0081, 18.2187, 38.3229

Protanopia

18.2751, 17.9893, 34.4074

Deuteranopia

18.4819, 18.1652, 39.0914



Tritanopia

12.9240, 18.1557, 28.0225

Trichromacy



Original Color

15.0081, 18.2187, 38.3229

Protanomaly

16.2861, 17.6333, 35.8029

Deuteranomaly

16.6220, 17.9238, 38.6600

Tritanomaly

13.6393, 18.2454, 31.6570

Monochromacy



Original Color

15.0081, 18.2187, 38.3229

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

12.7020, 14.7144, 21.9094

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.0081, 18.2187, 38.3229 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(33, 127, 165)` looks like.

```
.text, #text, p{  
    color:rgb(33, 127, 165)  
}
```

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(33, 127, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 127, 165) }
```

Border

The CSS property to change the border of an element to XYZ 15.0081, 18.2187, 38.3229 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(33, 127, 165) }
```


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

```
.border{ border-color:rgb(33, 127, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(33, 127, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 127, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 127, 165);  
box-shadow:4px 4px 4px 4px rgb(33, 127,  
165) }
```

Background

The CSS property to change the background color of an element to XYZ 15.0081, 18.2187, 38.3229 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 127, 165) }
```

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

```
.background{ background-color: rgb(33, 127,  
165) }
```

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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