

Converting Colors

XYZ(14.9964, 18.2196, 20.7889)

Have a look what the booklet for
XYZ(14.9964, 18.2196, 20.7889)
contains.

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Color

**XYZ(15.0013, 18.2214,
20.8156)**

Conversions

Conversions Part 1

Format	Color
Hex	5A7D79
RGB	90, 125, 121
RGB Percent	35%, 49%, 47%
CMY	0.6471, 0.5098, 0.5255
CMYK	0.28, 0.00, 0.03, 0.51
HSL	173°, 16%, 42%
HSV	173°, 28%, 49%
XYZ	15.0013, 18.2214, 20.8156
YIQ	114.0790, -19.5760, -8.6640

Conversions

Conversions Part 2

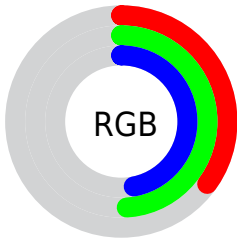
Format	Color
R_{YB}	90, 109, 125
Decimal	5930361
CIE _{Lab}	49.76, -13.25, -1.83
CIE _{LCh}	50, 13.380, 187.856
Yxy	18.2214, 0.2776, 0.3372
Android (android.graphics.Color)	4284120441 (0xFF5A7D79)
YUV	114.0790, 3.4121, -21.1173
Hunter-Lab	42.6865, -11.9713, 0.9685

Details

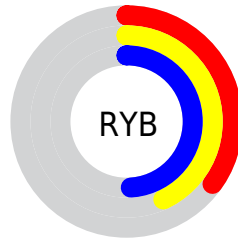
The XYZ color **15.0013, 18.2214, 20.8156** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **14.1347, 12.4810, 12.2546**, and the grayscale version is **16.0127, 16.8466, 18.3459**.

A 20% lighter version of the original color is **34.4477, 40.5206, 45.5408**, and **4.7419, 6.1422, 7.2390** is the 20% darker color. If you saturate the color by 10%, you get **13.7994, 17.6123, 20.3056**, and if you desaturate by 10%, it is **16.4101, 18.9379, 21.3429**.

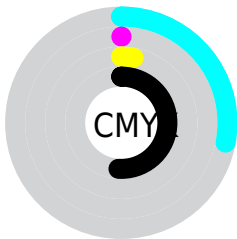
Distribution



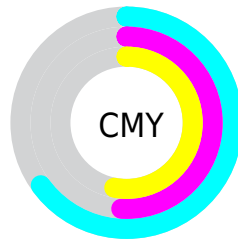
- Red (35%)
- Green (49%)
- Blue (47%)



- Red (35%)
- Yellow (43%)
- Blue (49%)



- Cyan (28%)
- Magenta (0%)
- Yellow (3%)
- Black (51%)



- Cyan (65%)
- Magenta (51%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.0013, 18.2214, 20.8156 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 15.0013, 18.2214, 20.8156 by changing the saturation by 10% instead.

■ 15.0013, 18.2214,
20.8156

■ 15.0013, 18.2214,
20.8156

216.7623,
242.1160, 269.0457

■ 8.9066, 11.1091,
12.7993

■ 34.4271, 40.4142,
45.6572

■ 4.7369, 6.1402,
7.1614

■ 48.4889, 56.2635,
63.3197

■ 2.1269, 2.9305,
3.4833

■ 65.9372, 75.7939,
85.0347

■ 0.7038, 1.0956,
1.3464

■ 87.1372, 99.3897,
111.2206

■ 0.0000, 0.0000,
0.0994

■ 112.4544,
127.4355, 142.2962

■ 0.0000, 0.0000,
0.0000

142.2541,

160.3155, 178.6799

176.9016,
198.4142, 220.7902

■ 15.0013, 18.2214,
20.8156

■ 15.0013, 18.2214,
20.8156

■ 13.7994, 17.6123,
20.3056

■ 16.4101, 18.9379,
21.3429

■ 12.7925, 17.1032,
19.8110

■ 18.0337, 19.7646,
21.8866

■ 11.9701, 16.6889,
19.3318

■ 19.8815, 20.7067,
22.4477

■ 11.3200, 16.3634,
18.8674

■ 21.9620, 21.7685,
23.0265

■ 10.8283, 16.1194,
18.4171

■ 24.2832, 22.9543,
23.6235

■ 10.4794, 15.9488,
17.9800

■ 26.8526, 24.2679,
24.2390

■ 10.2343, 15.8316,
17.5544

■ 29.6774, 25.7131,
24.8735

■ 10.1873, 15.8092,
17.4702

■ 32.7648, 27.2934,
25.5272

■ 36.1213, 29.0123,
26.2005

Harmonies

Analogous

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



15.1452, 18.2214, 17.3086



15.0013, 18.2214, 20.8156



15.4538, 18.2214, 24.4699

Triad

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



15.0013, 18.2214, 20.8156



18.8679, 18.2214, 25.9182



18.2598, 18.2214, 14.0196

Complementary

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



15.0013, 18.2214, 20.8156



14.1347, 12.4810, 12.2546

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.



19.3283, 18.2214, 15.8344



15.0013, 18.2214, 20.8156



19.6912, 18.2214, 22.6069

Square

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



15.0013, 18.2214, 20.8156



17.6563, 18.2214, 27.6427



19.8637, 18.2214, 18.8954



16.9858, 18.2214, 13.6640

Rectangle

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



15.0013, 18.2214, 20.8156



16.0466, 18.2214, 26.4010



19.8637, 18.2214, 18.8954



18.6567, 18.2214, 14.4674

Sweetspot

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



15.0018, 18.2221, 20.8160



32.2325, 35.3614, 39.1728



13.8043, 17.7903, 12.3796



7.2411, 7.9972, 8.8813



60.6688, 63.8283, 69.5090



7.9400, 8.3535, 9.0970

Same Dimension

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



15.0018, 18.2221, 20.8160



25.3556, 31.8650, 36.6481



13.6670, 15.1516, 21.6071



4.4259, 4.8787, 5.4141



10.6304, 16.4987, 18.2243



0.0000, 0.0000, 0.0000

Inverse Universe

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



14.1347, 12.4810, 12.2546



23.5179, 19.6883, 18.4970



15.1954, 14.8824, 11.7450



4.3462, 4.3516, 4.6277



8.9103, 4.5838, 0.8514



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 15.0013, 18.2214, 20.8156 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 15.0013, 18.2214, 20.8156 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

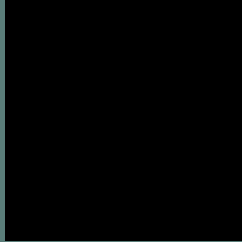
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

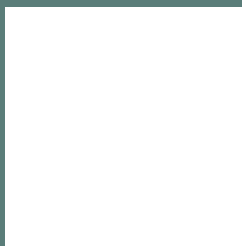
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 15.0013, 18.2214, 20.8156

Background



This preview shows how black text looks on a background with the XYZ color 15.0013, 18.2214, 20.8156.



This preview shows how white text looks on a background with the XYZ color 15.0013, 18.2214,

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

15.0013, 18.2214, 20.8156

Protanopia

17.3179, 18.0000, 19.3912

Deuteranopia

18.3449, 17.9767, 21.2419



Tritanopia

15.8308, 18.1865, 24.8663

Trichromacy



Original Color

15.0013, 18.2214, 20.8156

Protanomaly

16.2932, 17.9922, 19.7536

Deuteranomaly

16.9307, 17.9394, 20.9827

Tritanomaly

15.5837, 18.2756, 23.4751

Monochromacy



Original Color

15.0013, 18.2214, 20.8156

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

15.5150, 17.2445, 19.3404

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.0013, 18.2214, 20.8156 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(90, 125, 121) looks like.

```
.text, #text, p{  
    color:rgb(90, 125, 121)  
}
```

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(90, 125, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 125, 121) }
```

Border

The CSS property to change the border of an element to XYZ 15.0013, 18.2214, 20.8156 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(90, 125, 121) }
```


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

```
.border{ border-color:rgb(90, 125, 121) }
```

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

Here you see how a box with a 4 pixel rgb(90, 125, 121) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 125, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 125, 121);  
box-shadow:4px 4px 4px 4px rgb(90, 125,  
121) }
```

Background

The CSS property to change the background color of an element to XYZ 15.0013, 18.2214, 20.8156 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 125, 121) }
```

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

```
.background{ background-color: rgb(90, 125,  
121) }
```

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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