

Converting Colors

XYZ(16.1493, 18.1883, 21.5303)

Have a look what the booklet for
XYZ(16.1493, 18.1883, 21.5303)
contains.

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Color

**XYZ(16.1282, 18.2327,
21.4081)**

Conversions

Conversions Part 1

Format	Color
Hex	677A7B
RGB	103, 122, 123
RGB Percent	40%, 48%, 48%
CMY	0.5961, 0.5216, 0.5176
CMYK	0.16, 0.01, 0.00, 0.52
HSL	183°, 9%, 44%
HSV	183°, 16%, 48%
XYZ	16.1282, 18.2327, 21.4081
YIQ	116.4330, -11.6450, -3.7170

Conversions

Conversions Part 2

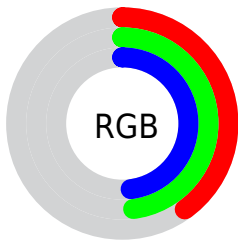
Format	Color
R_{YB}	103, 113, 123
Decimal	6781563
CIE _{Lab}	49.78, -6.71, -2.89
CIE _{LCh}	50, 7.305, 203.291
Yxy	18.2327, 0.2892, 0.3269
Android (android.graphics.Color)	4284971643 (0xFF677A7B)
YUV	116.4330, 3.2375, -11.7807
Hunter-Lab	42.6998, -7.3031, 0.1640

Details

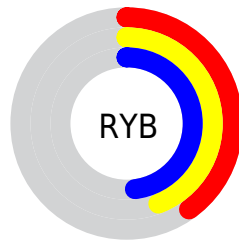
The XYZ color **16.1282, 18.2327, 21.4081** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **15.5670, 15.0908, 14.9246**, and the grayscale version is **16.7268, 17.5979, 19.1641**.

A 20% lighter version of the original color is **36.2003, 40.2373, 46.4160**, and **5.2495, 6.1003, 7.3794** is the 20% darker color. If you saturate the color by 10%, you get **14.7449, 17.4085, 21.3222**, and if you desaturate by 10%, it is **17.7206, 19.1664, 21.5047**.

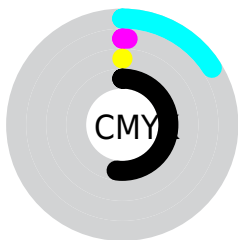
Distribution



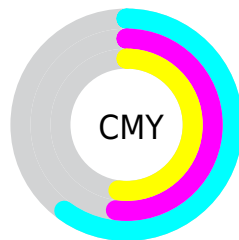
- Red (40%)
- Green (48%)
- Blue (48%)



- Red (40%)
- Yellow (44%)
- Blue (48%)



- Cyan (16%)
- Magenta (1%)
- Yellow (0%)
- Black (52%)



- Cyan (60%)
- Magenta (52%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.1282, 18.2327, 21.4081 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 16.1282, 18.2327, 21.4081 by changing the saturation by 10% instead.

■ 16.1282, 18.2327,
21.4081

■ 16.1282, 18.2327,
21.4081

223.3526,
242.1794, 272.2914

■ 9.7063, 11.1172,
13.2285

■ 36.3763, 40.4334,
46.6553

■ 5.2655, 6.1457,
7.4535

■ 50.9332, 56.2875,
64.5600

■ 2.4402, 2.9339,
3.6646

■ 68.9325, 75.8231,
86.5435

■ 0.8652, 1.0973,
1.4432

■ 90.7396, 99.4247,
113.0243

■ 0.0000, 0.0000,
0.1751

116.7198,
127.4768, 144.4209

■ 0.0000, 0.0000,
0.0000

147.2384,

160.3637, 181.1519

182.6609,
198.4697, 223.6359

■ 16.1282, 18.2327,
21.4081

■ 16.1282, 18.2327,
21.4081

■ 14.7449, 17.4085,
21.3222

■ 17.7206, 19.1664,
21.5047

■ 13.5601, 16.6869,
21.2454

■ 19.5290, 20.2116,
21.6111

■ 12.5646, 16.0636,
21.1775

■ 21.5620, 21.3733,
21.7282

■ 11.7480, 15.5332,
21.1182

■ 23.8271, 22.6554,
21.8563

■ 11.0987, 15.0897,
21.0668

■ 26.3315, 24.0616,
21.9957

■ 10.6037, 14.7265,
21.0228

■ 29.0823, 25.5954,
22.1468

■ 10.2484, 14.4360,
20.9855

■ 32.0860, 27.2604,
22.3098

■ 10.0048, 14.2038,
20.9535

■ 35.3490, 29.0598,
22.4852

■ 9.9205, 14.1206,
20.9419

■ 38.8775, 30.9968,
22.6731

Harmonies

Analogous

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



16.0331, 18.2327, 19.4075



16.1282, 18.2327, 21.4081



16.5412, 18.2327, 23.0892

Triad

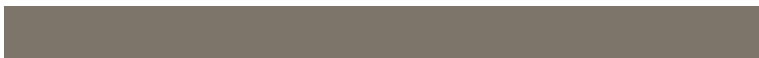
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



16.1282, 18.2327, 21.4081



18.4258, 18.2327, 22.2348



17.4866, 18.2327, 16.2809

Complementary

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



16.1282, 18.2327, 21.4081



15.5670, 15.0908, 14.9246

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.



18.1427, 18.2327, 16.9330



16.1282, 18.2327, 21.4081



18.6943, 18.2327, 20.3039

Square

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



16.1282, 18.2327, 21.4081



17.8647, 18.2327, 23.5884



18.5893, 18.2327, 18.3738



16.8054, 18.2327, 16.5331

Rectangle

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



16.1282, 18.2327, 21.4081



16.9474, 18.2327, 23.7578



18.5893, 18.2327, 18.3738



17.7176, 18.2327, 16.4001

Sweetspot

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



16.1287, 18.2335, 21.4085



32.0810, 34.5241, 38.5296



15.1586, 18.0425, 15.6920



7.5135, 8.1065, 9.0718



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.



16.1287, 18.2335, 21.4085



27.7888, 32.0028, 38.2691



15.0000, 15.9760, 21.0323



4.0908, 4.4798, 5.0923



10.2613, 14.6051, 21.6635



48.7583, 69.2893, 103.2741

Inverse Universe

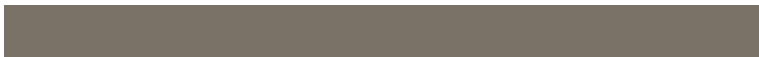
The Inverse Universe completely reimagines the original color for something new.



16.5319, 15.3170, 20.4984



28.6767, 25.6199, 36.2558



16.5966, 17.1501, 15.2678



4.1463, 4.0742, 4.9679



11.7628, 5.6813, 17.8395



56.0141, 27.0620, 84.5932

Previews

White Background



This preview shows how the XYZ color 16.1282, 18.2327, 21.4081 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 16.1282, 18.2327, 21.4081 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

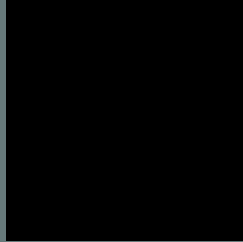
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 16.1282, 18.2327, 21.4081

Background



This preview shows how black text looks on a background with the XYZ color 16.1282, 18.2327, 21.4081.



This preview shows how white text looks on a background with the XYZ color 16.1282, 18.2327,

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

16.1282, 18.2327, 21.4081

Protanopia

17.6143, 18.3060, 20.3743

Deuteranopia

18.5848, 18.2542, 21.9459



Tritanopia

16.5756, 18.2295, 23.7641

Trichromacy



Original Color

16.1282, 18.2327, 21.4081

Protanomaly

16.9874, 18.1515, 20.6974

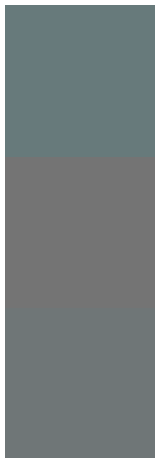
Deuteranomaly

17.5877, 18.2637, 21.6670

Tritanomaly

16.3771, 18.1501, 22.7188

Monochromacy



Original Color

16.1282, 18.2327, 21.4081

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

16.3638, 17.6683, 20.0006

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.1282, 18.2327, 21.4081 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(103, 122, 123) looks like.

```
.text, #text, p{  
    color:rgb(103, 122, 123)  
}
```

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(103, 122, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 122, 123) }
```

Border

The CSS property to change the border of an element to XYZ 16.1282, 18.2327, 21.4081 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(103, 122, 123) }
```


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

```
.border{ border-color:rgb(103, 122, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 122, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 122, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 122, 123);  
box-shadow:4px 4px 4px 4px rgb(103, 122,  
123) }
```

Background

The CSS property to change the background color of an element to XYZ 16.1282, 18.2327, 21.4081 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 122, 123) }
```

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

```
.background{ background-color: rgb(103,  
122, 123) }
```

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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