

Converting Colors

XYZ(12.1595, 12.1931, 17.1239)

Have a look what the booklet for
XYZ(12.1595, 12.1931, 17.1239)
contains.

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Color

**XYZ(12.1445, 12.1323,
17.0309)**

Conversions

Conversions Part 1

Format	Color
Hex	626070
RGB	98, 96, 112
RGB Percent	38%, 38%, 44%
CMY	0.6157, 0.6235, 0.5608
CMYK	0.12, 0.14, 0.00, 0.56
HSL	247°, 8%, 41%
HSV	247°, 14%, 44%
XYZ	12.1445, 12.1323, 17.0309
YIQ	98.4220, -3.9440, 5.4000

Conversions

Conversions Part 2

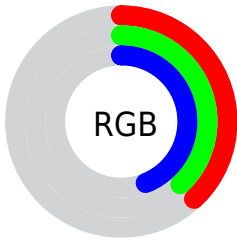
Format	Color
R_{YB}	98, 96, 112
Decimal	6447216
CIE Lab	41.43, 4.31, -8.75
CIE LCh	41, 9.754, 296.231
Yxy	12.1323, 0.2940, 0.2937
Android (android.graphics.Color)	4284637296 (0xFF626070)
YUV	98.4220, 6.6940, -0.3701
Hunter-Lab	34.8315, 1.2816, -4.6079

Details

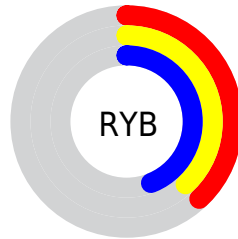
The XYZ color **12.1445, 12.1323, 17.0309** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **14.3364, 15.7482, 13.3511**, and the grayscale version is **11.6995, 12.3088, 13.4043**.

A 20% lighter version of the original color is **29.3742, 29.6277, 39.2925**, and **3.4313, 3.3552, 5.3173** is the 20% darker color. If you saturate the color by 10%, you get **10.2011, 9.7203, 16.6680**, and if you desaturate by 10%, it is **14.3638, 14.9033, 17.4490**.

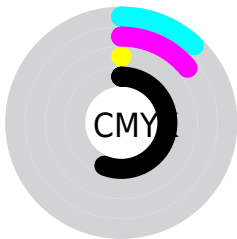
Distribution



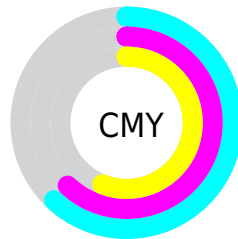
- Red (38%)
- Green (38%)
- Blue (44%)



- Red (38%)
- Yellow (38%)
- Blue (44%)



- Cyan (12%)
- Magenta (14%)
- Yellow (0%)
- Black (56%)



- Cyan (62%)
- Magenta (62%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.1445, 12.1323, 17.0309 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 12.1445, 12.1323, 17.0309 by changing the saturation by 10% instead.

■ 12.1445, 12.1323,
17.0309

■ 12.1445, 12.1323,
17.0309

199.1100,
205.2792, 247.4004

■ 6.9151, 6.8338,
10.0943

■ 29.3726, 29.7358,
39.1703

■ 3.4549, 3.3584,
5.3551

■ 42.1020, 42.8097,
55.2102

■ 1.3986, 1.3216,
2.3947

■ 58.0620, 59.2442,
75.1216

■ 0.2553, 0.1578,
0.7836

■ 77.6181, 79.4236,
99.3230

■ 0.0000, 0.0000,
0.0000

101.1356,
103.7324, 128.2331

128.9798,

132.5551, 162.2703

161.5162,
166.2758, 201.8532

■ 12.1445, 12.1323,
17.0309

■ 12.1445, 12.1323,
17.0309

■ 10.2011, 9.7203,
16.6680

■ 14.3638, 14.9033,
17.4490

■ 8.5216, 7.6511,
16.3571

■ 16.8681, 18.0456,
17.9235

■ 7.0950, 5.9096,
16.0961

■ 19.6673, 21.5728,
18.4568

■ 5.9089, 4.4788,
15.8825

■ 22.7707, 25.4973,
19.0507

■ 4.9499, 3.3405,
15.7133

■ 26.1872, 29.8310,
19.7071

■ 4.2033, 2.4741,
15.5854

■ 29.9251, 34.5852,
20.4278

■ 3.6524, 1.8567,
15.4953

■ 33.9926, 39.7709,
21.2144

■ 3.2744, 1.4533,
15.4373

■ 38.3975, 45.3987,
22.0685

■ 3.1056, 1.2631,
15.4095

■ 43.1473, 51.4786,
22.9917

Harmonies

Analogous

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



11.4420, 12.1323, 17.5014



12.1445, 12.1323, 17.0309



12.7022, 12.1323, 15.5012

Triad

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



12.1445, 12.1323, 17.0309



12.3059, 12.1323, 10.2230



10.2238, 12.1323, 12.9550

Complementary

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



12.1445, 12.1323, 17.0309



14.3364, 15.7482, 13.3511

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.



10.4348, 12.1323, 11.1565



12.1445, 12.1323, 17.0309



11.6212, 12.1323, 9.6846

Square

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



12.1445, 12.1323, 17.0309



12.7980, 12.1323, 11.5584



10.9393, 12.1323, 10.0081



10.3512, 12.1323, 15.0119

Rectangle

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



12.1445, 12.1323, 17.0309



12.9068, 12.1323, 14.1612



10.9393, 12.1323, 10.0081



10.2573, 12.1323, 12.3024

Sweetspot

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



12.1449, 12.1328, 17.0312



25.3077, 26.2742, 30.6674



13.3392, 14.8376, 17.4903



6.0180, 6.2345, 7.3559



55.7959, 58.7016, 63.9261



6.5000, 6.8385, 7.4471

Same Dimension

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



12.1449, 12.1328, 17.0312



20.2044, 19.9074, 29.7074



13.0360, 12.5922, 17.0729



3.2528, 3.3186, 4.2233



3.5776, 1.4537, 17.8136



17.4045, 7.0267, 88.7181

Inverse Universe

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



13.6799, 12.9369, 16.5286



23.4349, 21.6000, 28.6292



13.4005, 15.2657, 13.3073



3.4973, 3.4466, 4.1458



10.2686, 4.9998, 13.7563



50.9350, 24.8193, 67.3812

Previews

White Background



This preview shows how the XYZ color 12.1445, 12.1323, 17.0309 looks on a white background.

Color Contrast Check

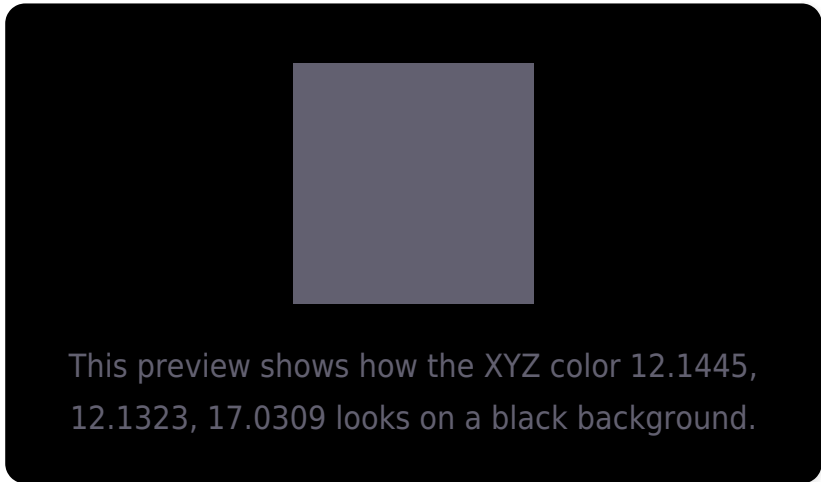
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



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 12.1445, 12.1323, 17.0309

Background



This preview shows how black text looks on a background with the XYZ color 12.1445, 12.1323, 17.0309.

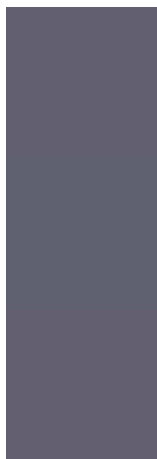


This preview shows how white text looks on a background with the XYZ color 12.1445, 12.1323,

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

12.1445, 12.1323, 17.0309

Protanopia

11.9746, 12.1745, 17.3416

Deuteranopia

12.2724, 12.0636, 17.0109



Tritanopia

11.7543, 12.1107, 15.0827

Trichromacy



Original Color

12.1445, 12.1323, 17.0309

Protanomaly

12.0792, 12.2284, 17.3465

Deuteranomaly

12.1624, 12.0069, 17.0058

Tritanomaly

11.9112, 12.1735, 15.9093

Monochromacy



Original Color

12.1445, 12.1323, 17.0309

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

11.7599, 12.1253, 14.5526

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.1445, 12.1323, 17.0309 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(98, 96, 112) looks like.

```
.text, #text, p{  
    color:rgb(98, 96, 112)  
}
```

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(98, 96, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 96, 112) }
```

Border

The CSS property to change the border of an element to XYZ 12.1445, 12.1323, 17.0309 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(98, 96, 112) }
```


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

```
.border{ border-color:rgb(98, 96, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 96, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 96, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 96, 112);  
box-shadow:4px 4px 4px 4px rgb(98, 96,  
112) }
```

Background

The CSS property to change the background color of an element to XYZ 12.1445, 12.1323, 17.0309 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 96, 112) }
```

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

```
.background{ background-color: rgb(98, 96,  
112) }
```

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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