

Converting Colors

XYZ(12.2071, 12.1449, 17.9205)

Have a look what the booklet for
XYZ(12.2071, 12.1449, 17.9205)
contains.

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Color

**XYZ(12.2071, 12.1449,
17.9205)**

Conversions

Conversions Part 1

Format	Color
Hex	616073
RGB	97, 96, 115
RGB Percent	38%, 38%, 45%
CMY	0.6196, 0.6235, 0.5490
CMYK	0.16, 0.17, 0.00, 0.55
HSL	243°, 9%, 41%
HSV	243°, 17%, 45%
XYZ	12.2071, 12.1449, 17.9205
YIQ	98.4650, -5.5030, 6.1210

Conversions

Conversions Part 2

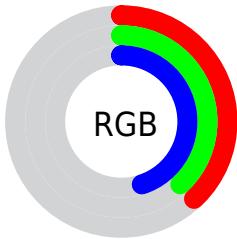
Format	Color
R_{YB}	97, 96, 115
Decimal	6381683
CIE Lab	41.45, 4.66, -10.56
CIE LCh	41, 11.542, 293.800
Yxy	12.1449, 0.2888, 0.2873
Android (android.graphics.Color)	4284571763 (0xFF616073)
YUV	98.4650, 8.1518, -1.2848
Hunter-Lab	34.8495, 1.5383, -6.0937

Details

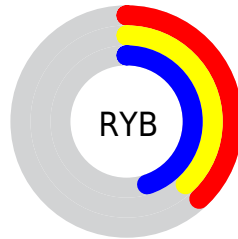
The XYZ color **12.2071, 12.1449, 17.9205** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **15.1820, 16.6838, 13.4870**, and the grayscale version is **11.7069, 12.3166, 13.4128**.

A 20% lighter version of the original color is **29.4667, 29.6437, 40.7280**, and **3.4691, 3.3646, 5.7768** is the 20% darker color. If you saturate the color by 10%, you get **10.1514, 9.6401, 17.5456**, and if you desaturate by 10%, it is **14.5765, 15.0399, 18.3546**.

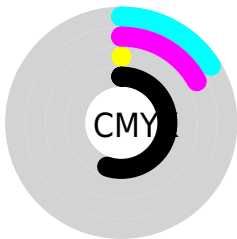
Distribution



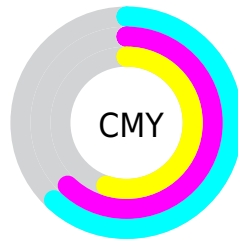
- Red (38%)
- Green (38%)
- Blue (45%)



- Red (38%)
- Yellow (38%)
- Blue (45%)



- Cyan (16%)
- Magenta (17%)
- Yellow (0%)
- Black (55%)



- Cyan (62%)
- Magenta (62%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.2071, 12.1449, 17.9205 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 12.2071, 12.1449, 17.9205 by changing the saturation by 10% instead.

■ 12.2071, 12.1449,
17.9205

■ 12.2071, 12.1449,
17.9205

199.5136,
205.3622, 252.6436

■ 6.9581, 6.8424,
10.7241

■ 29.4853, 29.7587,
40.7139

■ 3.4820, 3.3638,
5.7698

■ 42.2453, 42.8389,
57.1480

■ 1.4135, 1.3245,
2.6391

■ 58.2395, 59.2804,
77.4984

■ 0.2658, 0.1600,
0.9125

■ 77.8335, 79.4677,
102.1836

■ 0.0000, 0.0000,
0.0000

101.3926,
103.7851, 131.6222

129.2820,

132.6171, 166.2327

161.8672,
166.3480, 206.4336

■ 12.2071, 12.1449,
17.9205

■ 12.2071, 12.1449,
17.9205

■ 10.1514, 9.6401,
17.5456

■ 14.5765, 15.0399,
18.3546

■ 8.3953, 7.5075,
17.2265

■ 17.2709, 18.3393,
18.8494

■ 6.9250, 5.7297,
16.9608

■ 20.3023, 22.0583,
19.4075

■ 5.7255, 4.2875,
16.7457

■ 23.6817, 26.2109,
20.0309

■ 4.7802, 3.1597,
16.5778

■ 27.4199, 30.8104,
20.7217

■ 4.0707, 2.3229,
16.4537

■ 31.5267, 35.8698,
21.4818

■ 3.5761, 1.7503,
16.3692

■ 36.0121, 41.4011,
22.3131

■ 3.2611, 1.3882,
16.3159

■ 40.8854, 47.4164,
23.2173

■ 3.1702, 1.2768,
16.2992

■ 46.1556, 53.9269,
24.1961

Harmonies

Analogous

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



11.3699, 12.1449, 18.3726



12.2071, 12.1449, 17.9205



12.8956, 12.1449, 16.1462

Triad

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



12.2071, 12.1449, 17.9205



12.5232, 12.1449, 9.8330



10.0118, 12.1449, 12.7307

Complementary

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



12.2071, 12.1449, 17.9205



15.1820, 16.6838, 13.4870

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.



10.2892, 12.1449, 10.6770



12.2071, 12.1449, 17.9205



11.7186, 12.1449, 9.1397

Square

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



12.2071, 12.1449, 17.9205



13.0842, 12.1449, 11.4445



10.9041, 12.1449, 9.4289



10.1285, 12.1449, 15.1784

Rectangle

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



12.2071, 12.1449, 17.9205



13.1639, 12.1449, 14.5558



10.9041, 12.1449, 9.4289



10.0616, 12.1449, 11.9755

Sweetspot

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



12.2075, 12.1454, 17.9208



26.7366, 27.7082, 32.9836



13.9417, 15.7708, 18.5291



6.3173, 6.5354, 7.8575



57.3938, 60.3827, 65.7568



6.9614, 7.3239, 7.9757

Same Dimension

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



12.2075, 12.1454, 17.9208



20.3189, 19.8695, 31.8088



13.2753, 12.6959, 17.9707



3.5168, 3.5982, 4.5994



3.6182, 1.4566, 18.6330



17.4076, 6.9824, 90.7906

Inverse Universe

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



14.2908, 13.2260, 17.7199



24.8348, 22.2122, 31.3573



14.0154, 16.0824, 13.4324



3.8187, 3.7548, 4.5722



11.2333, 5.4270, 16.9685



54.6405, 26.4063, 82.1593

Previews

White Background



This preview shows how the XYZ color 12.2071, 12.1449, 17.9205 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 12.2071, 12.1449, 17.9205 looks on a 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 12.2071, 12.1449, 17.9205

Background



This preview shows how black text looks on a background with the XYZ color 12.2071, 12.1449, 17.9205.

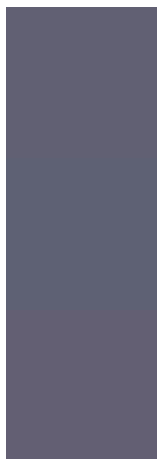


This preview shows how white text looks on a background with the XYZ color 12.2071, 12.1449,

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

12.2071, 12.1449, 17.9205

Protanopia

12.0432, 12.1900, 18.2412

Deuteranopia

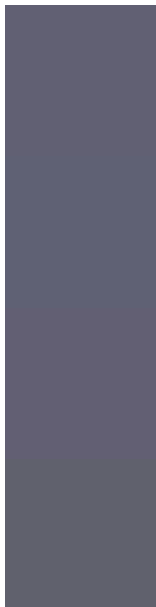
12.3323, 12.0749, 17.9004



Tritanopia

11.6368, 12.1882, 15.1038

Trichromacy



Original Color

12.2071, 12.1449, 17.9205

Protanomaly

12.1464, 12.2432, 18.2460

Deuteranomaly

12.2237, 12.0189, 17.8953

Tritanomaly

11.8589, 12.1403, 16.1863

Monochromacy



Original Color

12.2071, 12.1449, 17.9205

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

11.8104, 12.1455, 14.8186

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.2071, 12.1449, 17.9205 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(97, 96, 115) looks like.

```
.text, #text, p{  
    color:rgb(97, 96, 115)  
}
```

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(97, 96, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 96, 115) }
```

Border

The CSS property to change the border of an element to XYZ 12.2071, 12.1449, 17.9205 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(97, 96, 115) }
```


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

```
.border{ border-color:rgb(97, 96, 115) }
```

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

Here you see how a box with a 4 pixel rgb(97, 96, 115) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 96, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 96, 115);  
box-shadow:4px 4px 4px 4px rgb(97, 96,  
115) }
```

Background

The CSS property to change the background color of an element to XYZ 12.2071, 12.1449, 17.9205 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 96, 115) }
```

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

```
.background{ background-color: rgb(97, 96,  
115) }
```

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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