

Converting Colors

XYZ(12.5593, 11.9626, 17.0348)

Have a look what the booklet for
XYZ(12.5593, 11.9626, 17.0348)
contains.

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Color

**XYZ(12.5479, 11.9416,
16.9728)**

Conversions

Conversions Part 1

Format	Color
Hex	685D70
RGB	104, 93, 112
RGB Percent	41%, 36%, 44%
CMY	0.5922, 0.6353, 0.5608
CMYK	0.07, 0.17, 0.00, 0.56
HSL	275°, 9%, 40%
HSV	275°, 17%, 44%
XYZ	12.5479, 11.9416, 16.9728
YIQ	98.4550, 0.4570, 8.2410

Conversions

Conversions Part 2

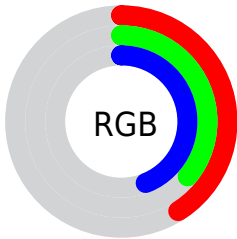
Format	Color
R_{YB}	104, 93, 112
Decimal	6839664
CIE Lab	41.12, 8.37, -9.15
CIE LCh	41, 12.402, 312.466
Yxy	11.9416, 0.3026, 0.2880
Android (android.graphics.Color)	4285029744 (0xFF685D70)
YUV	98.4550, 6.6777, 4.8630
Hunter-Lab	34.5566, 4.3413, -4.9312

Details

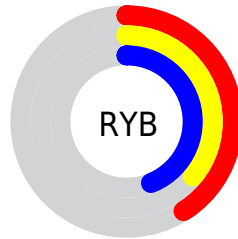
The XYZ color **12.5479, 11.9416, 16.9728** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **13.1371, 15.1456, 12.5875**, and the grayscale version is **11.7070, 12.3166, 13.4128**.

A 20% lighter version of the original color is **30.0409, 29.2938, 39.1929**, and **3.6293, 3.2731, 5.2910** is the 20% darker color. If you saturate the color by 10%, you get **11.1039, 9.8434, 16.6441**, and if you desaturate by 10%, it is **14.1673, 14.3446, 17.3515**.

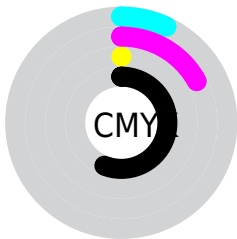
Distribution



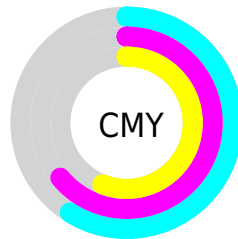
- Red (41%)
- Green (36%)
- Blue (44%)



- Red (41%)
- Yellow (36%)
- Blue (44%)



- Cyan (7%)
- Magenta (17%)
- Yellow (0%)
- Black (56%)



- Cyan (59%)
- Magenta (64%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.5479, 11.9416, 16.9728 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 12.5479, 11.9416, 16.9728 by changing the saturation by 10% instead.

■ 12.5479, 11.9416,
16.9728

■ 12.5479, 11.9416,
16.9728

201.6963,
204.0183, 247.0542

■ 7.1928, 6.7039,
10.0533

■ 30.0974, 29.3887,
39.0690

■ 3.6304, 3.2776,
5.3283

■ 43.0226, 42.3669,
55.0829

■ 1.4952, 1.2783,
2.3790

■ 59.2018, 58.6941,
74.9652

■ 0.3226, 0.1243,
0.7750

■ 79.0004, 78.7546,
99.1347

■ 0.0000, 0.0000,
0.0000

102.7838,
102.9329, 128.0098

130.9174,

131.6134, 162.0091

163.7664,
165.1804, 201.5510

■ 12.5479, 11.9416,
16.9728

■ 12.5479, 11.9416,
16.9728

■ 11.1039, 9.8434,
16.6441

■ 14.1673, 14.3446,
17.3515

■ 9.8274, 8.0358,
16.3625

■ 15.9673, 17.0628,
17.7813

■ 8.7116, 6.5056,
16.1259

■ 17.9542, 20.1081,
18.2643

■ 7.7487, 5.2381,
15.9320

■ 20.1339, 23.4912,
18.8025

■ 6.9302, 4.2170,
15.7781

■ 22.5117, 27.2223,
19.3973

■ 6.2468, 3.4244,
15.6611

■ 25.0928, 31.3113,
20.0505

■ 5.6877, 2.8396,
15.5777

■ 27.8824, 35.7675,
20.7636

■ 5.2268, 2.4115,
15.5193

■ 30.8851, 40.6000,
21.5381

■ 5.0941, 2.2883,
15.5026

■ 34.1058, 45.8175,
22.3755

Harmonies

Analogous

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



11.7244, 11.9416, 18.4124



12.5479, 11.9416, 16.9728



13.0653, 11.9416, 14.5391

Triad

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



12.5479, 11.9416, 16.9728



11.8747, 11.9416, 8.8586



9.7565, 11.9416, 14.0917

Complementary

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



12.5479, 11.9416, 16.9728



13.1371, 15.1456, 12.5875

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.



9.7920, 11.9416, 11.5780



12.5479, 11.9416, 16.9728



10.9839, 11.9416, 8.7718

Square

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



12.5479, 11.9416, 16.9728



12.6629, 11.9416, 9.9601



10.2311, 11.9416, 9.7051



10.1314, 11.9416, 16.6086

Rectangle

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



12.5479, 11.9416, 16.9728



13.1513, 11.9416, 12.7922



10.2311, 11.9416, 9.7051



9.7214, 11.9416, 13.2148

Sweetspot

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



12.5483, 11.9421, 16.9731



25.4433, 26.0323, 30.6135



12.1156, 12.8502, 17.1711



6.0727, 6.1942, 7.3453



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.



12.5483, 11.9421, 16.9731



21.1058, 19.6061, 29.6017



13.4513, 12.4157, 16.6497



3.3852, 3.3869, 4.2295



5.8627, 2.6318, 17.9206



28.2049, 12.5945, 89.2236

Inverse Universe

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



12.9458, 12.2135, 13.9875



21.9472, 20.1793, 23.3404



12.3411, 14.7287, 12.8455



3.4374, 3.4227, 3.8298



8.3107, 4.2167, 3.4463



40.9877, 20.8404, 14.9991

Previews

White Background



This preview shows how the XYZ color 12.5479, 11.9416, 16.9728 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 12.5479, 11.9416, 16.9728 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 12.5479, 11.9416, 16.9728

Background



This preview shows how black text looks on a background with the XYZ color 12.5479, 11.9416, 16.9728.



This preview shows how white text looks on a background with the XYZ color 12.5479, 11.9416,

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

12.5479, 11.9416, 16.9728

Protanopia

11.8362, 11.9603, 17.6043

Deuteranopia

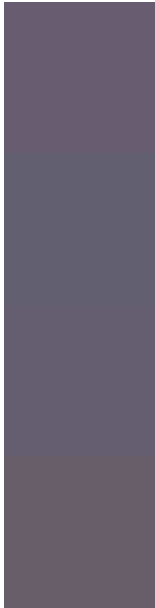
12.1624, 12.0069, 17.0058



Tritanopia

11.9700, 11.9685, 14.2496

Trichromacy



Original Color

12.5479, 11.9416, 16.9728

Protanomaly

12.1098, 11.9733, 17.2956

Deuteranomaly

12.2942, 11.9420, 16.9863

Tritanomaly

12.1977, 11.9296, 15.2954

Monochromacy



Original Color

12.5479, 11.9416, 16.9728

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

11.8866, 12.0543, 14.5322

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.5479, 11.9416, 16.9728 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(104, 93, 112)` looks like.

```
.text, #text, p{  
    color:rgb(104, 93, 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(104, 93, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 93, 112) }
```

Border

The CSS property to change the border of an element to XYZ 12.5479, 11.9416, 16.9728 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(104, 93, 112) }
```


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

```
.border{ border-color:rgb(104, 93, 112) }
```

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

Here you see how a box with a 4 pixel rgb(104, 93, 112) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 93, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 93, 112);  
box-shadow:4px 4px 4px 4px rgb(104, 93,  
112) }
```

Background

The CSS property to change the background color of an element to XYZ 12.5479, 11.9416, 16.9728 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 93, 112) }
```

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

```
.background{ background-color: rgb(104, 93,  
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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