

Converting Colors

XYZ(12.7661, 13.5287, 16.1082)

Have a look what the booklet for
XYZ(12.7661, 13.5287, 16.1082)
contains.

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Color

**XYZ(12.7026, 13.4359,
16.1112)**

Conversions

Conversions Part 1

Format	Color
Hex	63676C
RGB	99, 103, 108
RGB Percent	39%, 40%, 42%
CMY	0.6118, 0.5961, 0.5765
CMYK	0.08, 0.05, 0.00, 0.58
HSL	213°, 4%, 41%
HSV	213°, 8%, 42%
XYZ	12.7026, 13.4359, 16.1112
YIQ	102.3740, -3.9890, 0.7070

Conversions

Conversions Part 2

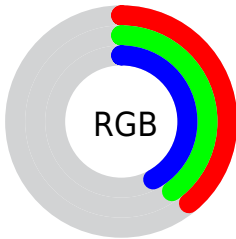
Format	Color
R_{YB}	99, 102, 108
Decimal	6514540
CIE Lab	43.41, -0.45, -3.35
CIE LCh	43, 3.379, 262.275
Yxy	13.4359, 0.3007, 0.3180
Android (android.graphics.Color)	4284704620 (0xFF63676C)
YUV	102.3740, 2.7736, -2.9590
Hunter-Lab	36.6550, -2.2880, -0.4016

Details

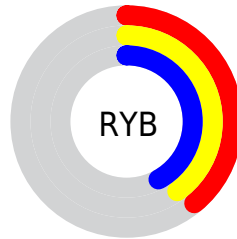
The XYZ color **12.7026, 13.4359, 16.1112** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **13.3867, 13.9893, 13.7992**, and the grayscale version is **12.7213, 13.3838, 14.5749**.

A 20% lighter version of the original color is **30.3913, 32.0984, 37.3947**, and **3.6727, 3.8953, 4.9732** is the 20% darker color. If you saturate the color by 10%, you get **11.0255, 11.7176, 15.8681**, and if you desaturate by 10%, it is **14.5811, 15.3223, 16.3765**.

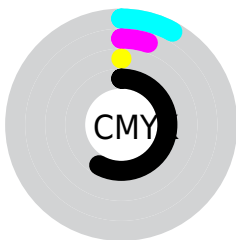
Distribution



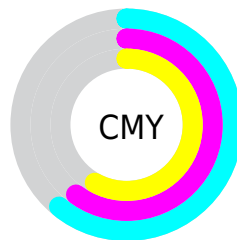
- Red (39%)
- Green (40%)
- Blue (42%)



- Red (39%)
- Yellow (40%)
- Blue (42%)



- Cyan (8%)
- Magenta (5%)
- Yellow (0%)
- Black (58%)



- Cyan (61%)
- Magenta (60%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.7026, 13.4359, 16.1112 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 12.7026, 13.4359, 16.1112 by changing the saturation by 10% instead.

■ 12.7026, 13.4359,
16.1112

■ 12.7026, 13.4359,
16.1112

202.6791,
213.6927, 241.8651

■ 7.2997, 7.7294,
9.4477

■ 30.3743, 32.0847,
37.5606

■ 3.6982, 3.9223,
4.9335

■ 43.3738, 45.7958,
53.1836

■ 1.5328, 1.6302,
2.1503

■ 59.6362, 62.9439,
72.6301

■ 0.3480, 0.3778,
0.6454

■ 79.5269, 83.9133,
96.3187

■ 0.0000, 0.0000,
0.0000

103.4111,
109.0885, 124.6680

131.6544,

138.8539, 158.0965

164.6219,
173.5938, 197.0226

■ 12.7026, 13.4359,
16.1112

■ 12.7026, 13.4359,
16.1112

■ 11.0255, 11.7176,
15.8681

■ 14.5811, 15.3223,
16.3765

■ 9.5416, 10.1608,
15.6459

■ 16.6666, 17.3798,
16.6637

■ 8.2436, 8.7607,
15.4440

■ 18.9658, 19.6136,
16.9737

■ 7.1235, 7.5117,
15.2620

■ 21.4850, 22.0280,
17.3070

■ 6.1726, 6.4079,
15.0990

■ 24.2299, 24.6273,
17.6640

■ 5.3814, 5.4428,
14.9545

■ 27.2063, 27.4154,
18.0453

■ 4.7393, 4.6094,
14.8274

■ 30.4195, 30.3965,
18.4513

■ 4.2343, 3.9000,
14.7171

■ 33.8749, 33.5742,
18.8826

■ 3.8288, 3.2932,
14.6214

■ 37.5775, 36.9522,
19.3395

Harmonies

Analogous

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



12.4636, 13.4359, 15.8045



12.7026, 13.4359, 16.1112



12.9630, 13.4359, 16.0102

Triad

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



12.7026, 13.4359, 16.1112



13.2439, 13.4359, 14.0876



12.3748, 13.4359, 13.7615

Complementary

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



12.7026, 13.4359, 16.1112



13.3867, 13.9893, 13.7992

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.



12.5798, 13.4359, 13.3304



12.7026, 13.4359, 16.1112



13.0822, 13.4359, 13.5141

Square

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



12.7026, 13.4359, 16.1112



13.2778, 13.4359, 14.8249



12.8385, 13.4359, 13.2414



12.2761, 13.4359, 14.4357

Rectangle

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



12.7026, 13.4359, 16.1112



13.1134, 13.4359, 15.7268



12.8385, 13.4359, 13.2414



12.4334, 13.4359, 13.5843

Sweetspot

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



12.7030, 13.4365, 16.1115



24.3299, 25.6332, 28.5731



13.0045, 14.3764, 15.1731



5.9023, 6.2178, 6.9178



54.2243, 57.0482, 62.1254



6.0569, 6.3724, 6.9395

Same Dimension

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



12.7030, 13.4365, 16.1115



21.7035, 22.9817, 28.1997



12.3637, 12.6846, 15.9843



3.0489, 3.2261, 3.8969



4.4638, 3.7620, 17.4131



21.9048, 17.4882, 88.4473

Inverse Universe

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



13.0946, 13.0913, 14.6694



22.5436, 22.2551, 25.1034



13.7446, 14.7861, 13.9341



3.1505, 3.1371, 3.5227



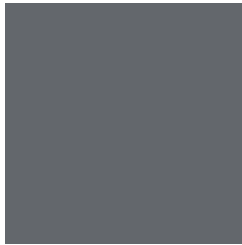
8.0000, 4.0521, 3.6286



40.3393, 20.4777, 16.2555

Previews

White Background



This preview shows how the XYZ color 12.7026, 13.4359, 16.1112 looks on a white background.

Color Contrast Check

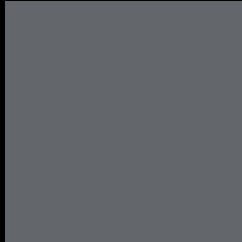
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.7026, 13.4359, 16.1112 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

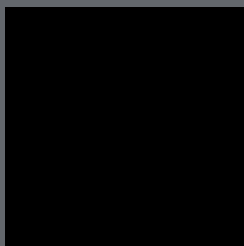
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

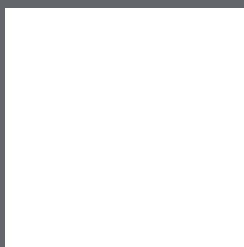
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.7026, 13.4359, 16.1112

Background



This preview shows how black text looks on a background with the XYZ color 12.7026, 13.4359, 16.1112.



This preview shows how white text looks on a background with the XYZ color 12.7026, 13.4359,

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

12.7026, 13.4359, 16.1112

Protanopia

12.9987, 13.4478, 15.8205

Deuteranopia

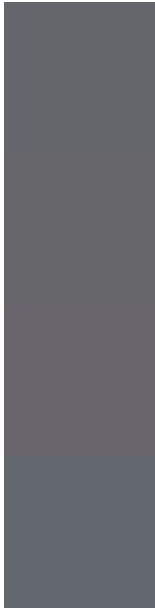
13.6526, 13.3428, 16.3238



Tritanopia

12.8651, 13.5008, 16.9668

Trichromacy



Original Color

12.7026, 13.4359, 16.1112

Protanomaly

12.8847, 13.3891, 15.8152

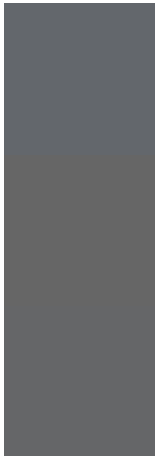
Deuteranomaly

13.2613, 13.2826, 16.3329

Tritanomaly

12.8103, 13.4789, 16.6784

Monochromacy



Original Color

12.7026, 13.4359, 16.1112

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

12.6169, 13.2689, 14.9929

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.7026, 13.4359, 16.1112 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(99, 103, 108) looks like.

```
.text, #text, p{  
    color:rgb(99, 103, 108)  
}
```

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(99, 103, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 103, 108) }
```

Border

The CSS property to change the border of an element to XYZ 12.7026, 13.4359, 16.1112 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(99, 103, 108) }
```


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

```
.border{ border-color:rgb(99, 103, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 103, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 103, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 103, 108);  
box-shadow:4px 4px 4px 4px rgb(99, 103,  
108) }
```

Background

The CSS property to change the background color of an element to XYZ 12.7026, 13.4359, 16.1112 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 103, 108) }
```

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

```
.background{ background-color: rgb(99, 103,  
108) }
```

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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