

Converting Colors

XYZ(12.9181, 13.2960, 15.7442)

Have a look what the booklet for
XYZ(12.9181, 13.2960, 15.7442)
contains.

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Color

**XYZ(12.9010, 13.2525,
15.7879)**

Conversions

Conversions Part 1

Format	Color
Hex	67656B
RGB	103, 101, 107
RGB Percent	40%, 40%, 42%
CMY	0.5961, 0.6039, 0.5804
CMYK	0.04, 0.06, 0.00, 0.58
HSL	260°, 3%, 41%
HSV	260°, 6%, 42%
XYZ	12.9010, 13.2525, 15.7879
YIQ	102.2820, -0.7340, 2.2900

Conversions

Conversions Part 2

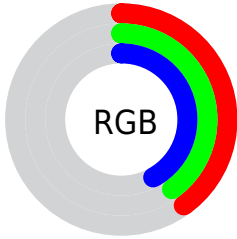
Format	Color
R_{YB}	103, 101, 107
Decimal	6776171
CIE Lab	43.14, 2.04, -3.10
CIE LCh	43, 3.714, 303.321
Yxy	13.2525, 0.3076, 0.3160
Android (android.graphics.Color)	4284966251 (0xFF67656B)
YUV	102.2820, 2.3260, 0.6297
Hunter-Lab	36.4040, -0.4494, -0.2305

Details

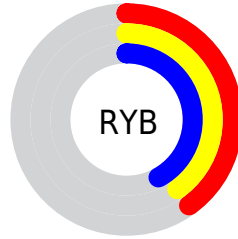
The XYZ color **12.9010, 13.2525, 15.7879** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **13.4330, 14.4586, 14.3955**, and the grayscale version is **12.6977, 13.3589, 14.5479**.

A 20% lighter version of the original color is **30.7262, 31.7951, 36.8654**, and **3.7657, 3.8053, 4.8110** is the 20% darker color. If you saturate the color by 10%, you get **11.1451, 10.9045, 15.4274**, and if you desaturate by 10%, it is **14.8628, 15.9083, 16.1973**.

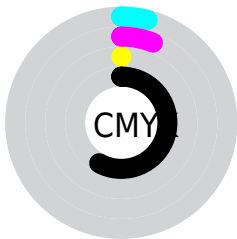
Distribution



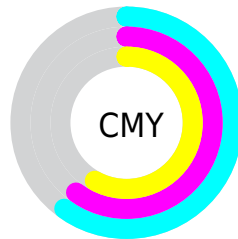
- Red (40%)
- Green (40%)
- Blue (42%)



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



- Cyan (4%)
- Magenta (6%)
- Yellow (0%)
- Black (58%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.9010, 13.2525, 15.7879 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 12.9010, 13.2525, 15.7879 by changing the saturation by 10% instead.

■ 12.9010, 13.2525,
15.7879

■ 12.9010, 13.2525,
15.7879

203.9327,
212.5296, 239.8897

■ 7.4369, 7.6026,
9.2215

■ 30.7286, 31.7567,
36.9912

■ 3.7856, 3.8418,
4.7871

■ 43.8229, 45.3798,
52.4652

■ 1.5816, 1.5854,
2.0664

■ 60.1913, 62.4294,
71.7455

■ 0.3803, 0.3478,
0.5956

■ 80.1992, 83.2900,
95.2506

■ 0.0000, 0.0000,
0.0000

104.2120,
108.3459, 123.3990

132.5949,

137.9816, 156.6093

165.7133,
172.5813, 195.3000

■ 12.9010, 13.2525,
15.7879

■ 12.9010, 13.2525,
15.7879

■ 11.1451, 10.9045,
15.4274

■ 14.8628, 15.9083,
16.1973

■ 9.5872, 8.8512,
15.1132

■ 17.0360, 18.8807,
16.6565

■ 8.2201, 7.0813,
14.8437

■ 19.4272, 22.1806,
17.1674

■ 7.0362, 5.5820,
14.6167

■ 22.0425, 25.8176,
17.7316

■ 6.0271, 4.3395,
14.4300

■ 24.8876, 29.8011,
18.3505

■ 5.1836, 3.3387,
14.2813

■ 27.9681, 34.1399,
19.0256

■ 4.4960, 2.5629,
14.1678

■ 31.2893, 38.8426,
19.7583

■ 3.9529, 1.9933,
14.0865

■ 34.8564, 43.9176,
20.5499

■ 3.5329, 1.5905,
14.0309

■ 38.6745, 49.3728,
21.4016

Harmonies

Analogous

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



12.6280, 13.2525, 16.0619



12.9010, 13.2525, 15.7879



13.0945, 13.2525, 15.1494

Triad

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



12.9010, 13.2525, 15.7879



12.8449, 13.2525, 13.0661



12.0544, 13.2525, 14.5213

Complementary

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



12.9010, 13.2525, 15.7879



13.4330, 14.4586, 14.3955

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.



12.1105, 13.2525, 13.7332



12.9010, 13.2525, 15.7879



12.5642, 13.2525, 12.9120

Square

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



12.9010, 13.2525, 15.7879



13.0618, 13.2525, 13.5807



12.2960, 13.2525, 13.1518



12.1416, 13.2525, 15.3134

Rectangle

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



12.9010, 13.2525, 15.7879



13.1509, 13.2525, 14.6139



12.2960, 13.2525, 13.1518



12.0571, 13.2525, 14.2471

Sweetspot

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



12.9014, 13.2531, 15.7882



24.3052, 25.3546, 28.5206



13.0829, 13.9522, 15.9136



5.8968, 6.1557, 6.9061



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.



12.9014, 13.2531, 15.7882



22.5764, 23.0253, 28.1621



13.2399, 13.4276, 15.8040



3.1146, 3.1769, 3.8839



4.0676, 1.7240, 17.0406



19.8890, 8.3527, 86.7902

Inverse Universe

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



13.2674, 13.4538, 15.2631



23.4117, 23.4834, 26.9585



13.0980, 14.2859, 14.3798



3.2294, 3.2399, 3.7186



8.7602, 4.3562, 7.6317



44.2224, 22.0309, 36.7037

Previews

White Background



This preview shows how the XYZ color 12.9010, 13.2525, 15.7879 looks on a white background.

Color Contrast Check

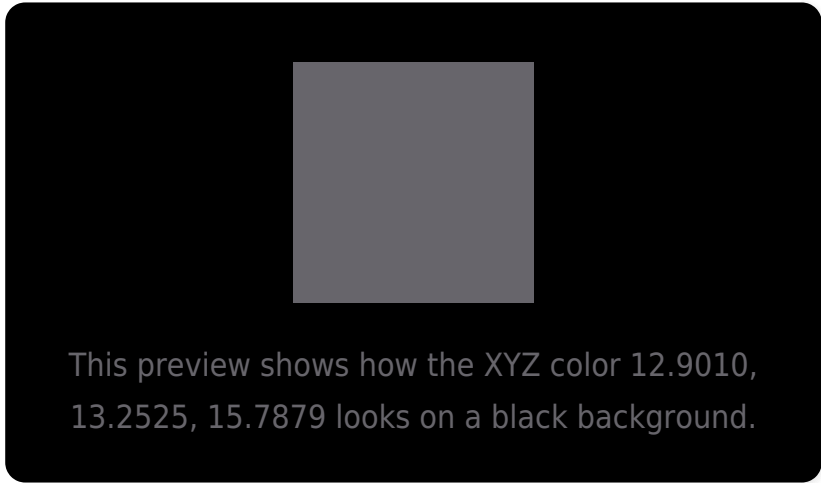
Large Text (above 18pt) WCAG AA ✓ Pass

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

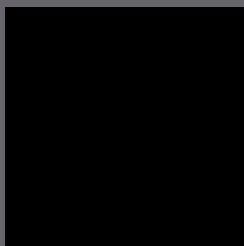
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

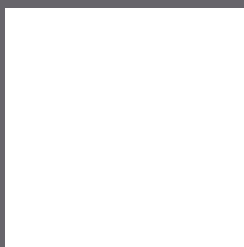
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.9010, 13.2525, 15.7879

Background



This preview shows how black text looks on a background with the XYZ color 12.9010, 13.2525, 15.7879.



This preview shows how white text looks on a background with the XYZ color 12.9010, 13.2525,

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

12.9010, 13.2525, 15.7879

Protanopia

12.7870, 13.1937, 15.7826

Deuteranopia

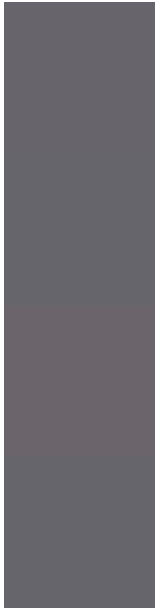
13.4224, 13.2364, 15.7574



Tritanopia

13.0075, 13.2951, 16.3486

Trichromacy



Original Color

12.9010, 13.2525, 15.7879

Protanomaly

12.7870, 13.1937, 15.7826

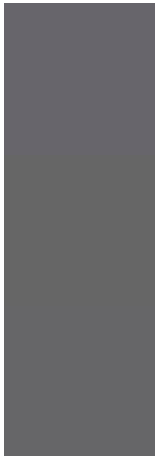
Deuteranomaly

13.2744, 13.3017, 15.7778

Tritanomaly

12.9540, 13.2736, 16.0667

Monochromacy



Original Color

12.9010, 13.2525, 15.7879

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

12.7296, 13.3270, 14.9982

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.9010, 13.2525, 15.7879 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, 101, 107)` looks like.

```
.text, #text, p{  
    color:rgb(103, 101, 107)  
}
```

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, 101, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 101, 107) }
```

Border

The CSS property to change the border of an element to XYZ 12.9010, 13.2525, 15.7879 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, 101, 107) }
```


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

```
.border{ border-color:rgb(103, 101, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 101, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 101, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 101, 107);  
box-shadow:4px 4px 4px 4px rgb(103, 101,  
107) }
```

Background

The CSS property to change the background color of an element to XYZ 12.9010, 13.2525, 15.7879 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 101, 107) }
```

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

```
.background{ background-color: rgb(103,  
101, 107) }
```

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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