

Converting Colors

XYZ(12.7380, 13.5705, 15.1918)

Have a look what the booklet for
XYZ(12.7380, 13.5705, 15.1918)
contains.

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Color

**XYZ(12.7556, 13.6299,
15.3231)**

Conversions

Conversions Part 1

Format	Color
Hex	646869
RGB	100, 104, 105
RGB Percent	39%, 41%, 41%
CMY	0.6078, 0.5921, 0.5882
CMYK	0.05, 0.01, 0.00, 0.59
HSL	192°, 2%, 40%
HSV	192°, 5%, 41%
XYZ	12.7556, 13.6299, 15.3231
YIQ	102.9180, -2.7050, -0.5370

Conversions

Conversions Part 2

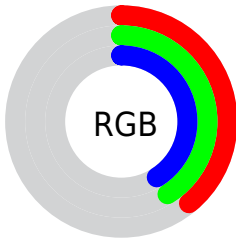
Format	Color
R_{YB}	100, 102, 105
Decimal	6580329
CIE Lab	43.70, -1.33, -1.10
CIE LCh	44, 1.725, 219.772
Yxy	13.6299, 0.3058, 0.3268
Android (android.graphics.Color)	4284770409 (0xFF646869)
YUV	102.9180, 1.0264, -2.5591
Hunter-Lab	36.9187, -2.9350, 1.2348

Details

The XYZ color **12.7556, 13.6299, 15.3231** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **12.7795, 13.2304, 13.9368**, and the grayscale version is **12.8686, 13.5388, 14.7438**.

A 20% lighter version of the original color is **30.4846, 32.4223, 36.1039**, and **3.6950, 3.9886, 4.5781** is the 20% darker color. If you saturate the color by 10%, you get **11.4601, 12.6532, 15.2031**, and if you desaturate by 10%, it is **14.2068, 14.6954, 15.4525**.

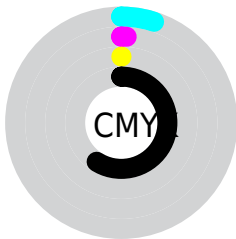
Distribution



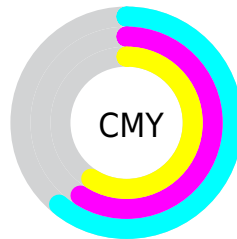
- Red (39%)
- Green (41%)
- Blue (41%)



- Red (39%)
- Yellow (40%)
- Blue (41%)



- Cyan (5%)
- Magenta (1%)
- Yellow (0%)
- Black (59%)



- Cyan (61%)
- Magenta (59%)
- Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.7556, 13.6299, 15.3231 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 12.7556, 13.6299, 15.3231 by changing the saturation by 10% instead.

■ 12.7556, 13.6299,
15.3231

■ 12.7556, 13.6299,
15.3231

203.0148,
214.9161, 237.0214

■ 7.3363, 7.8637,
8.8973

■ 30.4691, 32.4309,
36.1693

■ 3.7215, 4.0079,
4.5784

■ 43.4940, 46.2345,
51.4268

■ 1.5458, 1.6780,
1.9477

■ 59.7847, 63.4860,
70.4653

■ 0.3567, 0.4093,
0.5228

■ 79.7068, 84.5698,
93.7033

■ 0.0000, 0.0000,
0.0000

103.6255,
109.8703, 121.5593

131.9061,

139.7719, 154.4520

164.9141,
174.6591, 192.7999

■ 12.7556, 13.6299,
15.3231

■ 12.7556, 13.6299,
15.3231

■ 11.4601, 12.6532,
15.2031

■ 14.2068, 14.6954,
15.4525

■ 10.3135, 11.7607,
15.0912

■ 15.8180, 15.8508,
15.5906

■ 9.3101, 10.9496,
14.9876

■ 17.5947, 17.0994,
15.7379

■ 8.4433, 10.2165,
14.8917

■ 19.5418, 18.4438,
15.8948

■ 7.7061, 9.5579,
14.8035

■ 21.6640, 19.8865,
16.0614

7.0909, 8.9696,
14.7223

23.9659, 21.4299,
16.2380

6.5892, 8.4472,
14.6480

26.4517, 23.0762,
16.4248

6.1914, 7.9858,
14.5799

29.1258, 24.8277,
16.6219

5.8788, 7.5756,
14.5172

31.9921, 26.6865,
16.8296

Harmonies

Analogous

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



12.6998, 13.6299, 14.9676



12.7556, 13.6299, 15.3231



12.8649, 13.6299, 15.5518

Triad

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



12.7556, 13.6299, 15.3231



13.2008, 13.6299, 15.1001



12.9106, 13.6299, 14.1174

Complementary

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



12.7556, 13.6299, 15.3231



12.7795, 13.2304, 13.9368

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.



13.0451, 13.6299, 14.1515



12.7556, 13.6299, 15.3231



13.2133, 13.6299, 14.7144

Square

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



12.7556, 13.6299, 15.3231



13.1222, 13.6299, 15.4215



13.1561, 13.6299, 14.3684



12.7889, 13.6299, 14.2745

Rectangle

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



12.7556, 13.6299, 15.3231



12.9538, 13.6299, 15.5993



13.1561, 13.6299, 14.3684



12.9558, 13.6299, 14.1070

Sweetspot

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



12.7560, 13.6305, 15.3234



23.7779, 25.1001, 27.5226



12.6521, 13.7506, 14.2779



5.5752, 5.8835, 6.4476



52.6788, 55.4222, 60.3547



5.6320, 5.9254, 6.4527

Same Dimension

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



12.7560, 13.6305, 15.3234



22.4971, 24.1506, 27.4068



12.5159, 13.1504, 15.2434



3.2251, 3.4634, 3.9334



7.2220, 9.2782, 18.3325



36.1808, 46.0401, 93.2059

Inverse Universe

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



12.8818, 13.1172, 14.9504



22.7873, 22.9729, 26.5449



13.0179, 13.7071, 14.0163



3.2675, 3.2914, 3.8074



9.3922, 4.6090, 10.9597



47.5452, 23.3600, 54.2010

Previews

White Background



This preview shows how the XYZ color 12.7556, 13.6299, 15.3231 looks on a white background.

Color Contrast Check

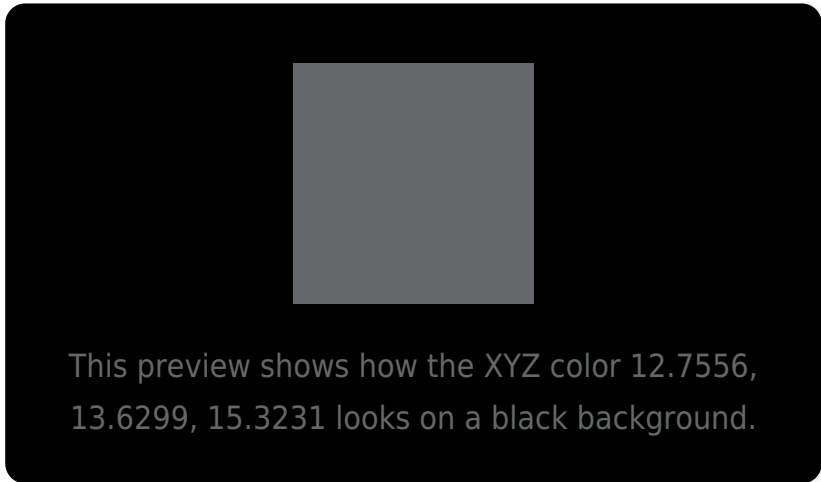
Large Text (above 18pt) WCAG AA ✓ Pass

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

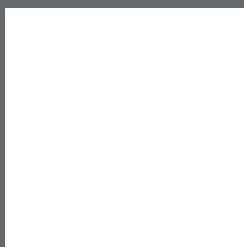
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.7556, 13.6299, 15.3231

Background



This preview shows how black text looks on a background with the XYZ color 12.7556, 13.6299, 15.3231.



This preview shows how white text looks on a background with the XYZ color 12.7556, 13.6299,

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

12.7556, 13.6299, 15.3231

Protanopia

13.1746, 13.7032, 15.0473

Deuteranopia

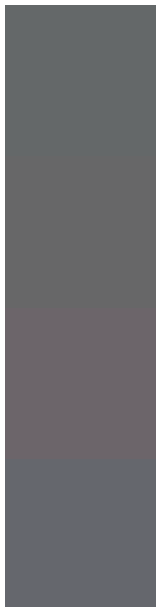
13.8408, 13.5997, 15.5312



Tritanopia

13.0863, 13.6149, 16.9771

Trichromacy



Original Color

12.7556, 13.6299, 15.3231

Protanomaly

12.9425, 13.5835, 15.0364

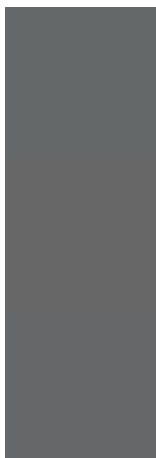
Deuteranomaly

13.4395, 13.5361, 15.5401

Tritanomaly

12.9774, 13.5713, 16.4035

Monochromacy



Original Color

12.7556, 13.6299, 15.3231

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

12.8284, 13.5248, 15.0311

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.7556, 13.6299, 15.3231 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(100, 104, 105)` looks like.

```
.text, #text, p{  
    color:rgb(100, 104, 105)  
}
```

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(100, 104, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 104, 105) }
```

Border

The CSS property to change the border of an element to XYZ 12.7556, 13.6299, 15.3231 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(100, 104, 105) }
```


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

```
.border{ border-color:rgb(100, 104, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 104, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 104, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 104, 105);  
box-shadow:4px 4px 4px 4px rgb(100, 104,  
105) }
```

Background

The CSS property to change the background color of an element to XYZ 12.7556, 13.6299, 15.3231 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 104, 105) }
```

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

```
.background{ background-color: rgb(100,  
104, 105) }
```

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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