

Converting Colors

XYZ(12.6721, 13.4408, 15.1682)

Have a look what the booklet for
XYZ(12.6721, 13.4408, 15.1682)
contains.

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Color

**XYZ(12.6556, 13.4297,
15.2898)**

Conversions

Conversions Part 1

Format	Color
Hex	646769
RGB	100, 103, 105
RGB Percent	39%, 40%, 41%
CMY	0.6078, 0.5961, 0.5882
CMYK	0.05, 0.02, 0.00, 0.59
HSL	204°, 2%, 40%
HSV	204°, 5%, 41%
XYZ	12.6556, 13.4297, 15.2898
YIQ	102.3310, -2.4300, -0.0140

Conversions

Conversions Part 2

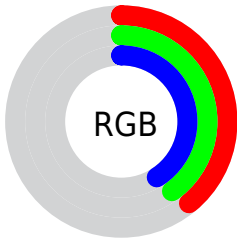
Format	Color
R_{YB}	100, 102, 105
Decimal	6580073
CIE Lab	43.40, -0.73, -1.53
CIE LCh	43, 1.699, 244.545
Yxy	13.4297, 0.3059, 0.3246
Android (android.graphics.Color)	4284770153 (0xFF646769)
YUV	102.3310, 1.3158, -2.0443
Hunter-Lab	36.6466, -2.4879, 0.9154

Details

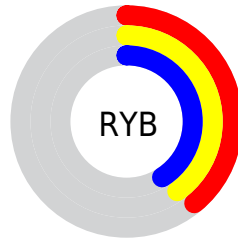
The XYZ color **12.6556, 13.4297, 15.2898** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **12.8775, 13.4262, 13.9697**, and the grayscale version is **12.7134, 13.3754, 14.5659**.

A 20% lighter version of the original color is **30.3188, 32.0908, 36.0487**, and **3.6461, 3.8907, 4.5618** is the 20% darker color. If you saturate the color by 10%, you get **11.1613, 12.0554, 15.1035**, and if you desaturate by 10%, it is **14.3214, 14.9243, 15.4907**.

Distribution



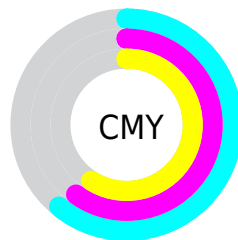
- Red (39%)
- Green (40%)
- Blue (41%)



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



- Cyan (5%)
- Magenta (2%)
- Yellow (0%)
- Black (59%)



- Cyan (61%)
- Magenta (60%)
- Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.6556, 13.4297, 15.2898 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 12.6556, 13.4297, 15.2898 by changing the saturation by 10% instead.

■ 12.6556, 13.4297,
15.2898

■ 12.6556, 13.4297,
15.2898

202.3810,
213.6535, 236.8146

■ 7.2672, 7.7251,
8.8741

■ 30.2903, 32.0736,
36.1102

■ 3.6776, 3.9196,
4.5635

■ 43.2672, 45.7817,
51.3521

■ 1.5214, 1.6287,
1.9393

■ 59.5044, 62.9265,
70.3732

■ 0.3403, 0.3768,
0.5176

■ 79.3671, 83.8923,
93.5919

■ 0.0000, 0.0000,
0.0000

103.2208,
109.0635, 121.4268

131.4308,

138.8245, 154.2966

164.3624,
173.5597, 192.6196

■ 12.6556, 13.4297,
15.2898

■ 12.6556, 13.4297,
15.2898

■ 11.1613, 12.0554,
15.1035

■ 14.3214, 14.9243,
15.4907

■ 9.8313, 10.7961,
14.9305

■ 16.1631, 16.5408,
15.7056

■ 8.6596, 9.6486,
14.7708

■ 18.1866, 18.2830,
15.9353

■ 7.6396, 8.6090,
14.6239

■ 20.3970, 20.1539,
16.1799

■ 6.7637, 7.6730,
14.4894

■ 22.7993, 22.1567,
16.4398

6.0242, 6.8361,
14.3668

25.3981, 24.2940,
16.7154

5.4122, 6.0931,
14.2557

28.1982, 26.5687,
17.0069

4.9177, 5.4384,
14.1554

31.2039, 28.9834,
17.3146

4.5219, 4.8618,
14.0649

34.4196, 31.5408,
17.6387

Harmonies

Analogous

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



12.5563, 13.4297, 15.0393



12.6556, 13.4297, 15.2898



12.7847, 13.4297, 15.3603

Triad

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



12.6556, 13.4297, 15.2898



13.0196, 13.4297, 14.5651



12.6209, 13.4297, 14.0313

Complementary

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



12.6556, 13.4297, 15.2898



12.8775, 13.4262, 13.9697

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.



12.7444, 13.4297, 13.9090



12.6556, 13.4297, 15.2898



12.9750, 13.4297, 14.2138

Square

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



12.6556, 13.4297, 15.2898



12.9954, 13.4297, 14.9377



12.8741, 13.4297, 13.9752



12.5364, 13.4297, 14.3120

Rectangle

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



12.6556, 13.4297, 15.2898



12.8704, 13.4297, 15.2948



12.8741, 13.4297, 13.9752



12.6592, 13.4297, 13.9705

Sweetspot

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



12.6560, 13.4303, 15.2901



23.7386, 25.0215, 27.5095



12.7015, 13.7704, 14.5375



5.5668, 5.8667, 6.4448



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.



12.6560, 13.4303, 15.2901



22.2658, 23.6880, 27.3297



12.4190, 12.9562, 15.2111



3.1912, 3.3958, 3.9221



5.4443, 5.7229, 17.7399



26.8749, 27.4284, 90.1040

Inverse Universe

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



12.8314, 13.0972, 14.6843



22.6706, 22.9262, 25.9301



13.1186, 13.9083, 14.0501



3.2504, 3.2845, 3.7176



8.4949, 4.2501, 6.2347



42.8480, 21.4812, 29.4661

Previews

White Background



This preview shows how the XYZ color 12.6556, 13.4297, 15.2898 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 12.6556, 13.4297, 15.2898 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

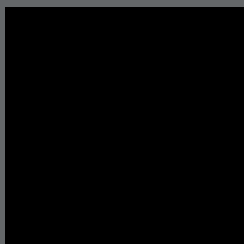
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

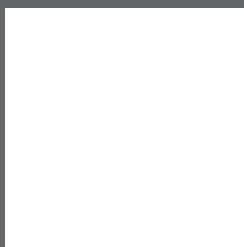
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.6556, 13.4297, 15.2898

Background



This preview shows how black text looks on a background with the XYZ color 12.6556, 13.4297, 15.2898.



This preview shows how white text looks on a background with the XYZ color 12.6556, 13.4297,

15.2898.

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

12.6556, 13.4297, 15.2898

Protanopia

12.9590, 13.4453, 15.0089

Deuteranopia

13.6189, 13.3438, 15.4935



Tritanopia

12.9327, 13.3952, 16.6558

Trichromacy

**Original Color**

12.6556, 13.4297, 15.2898

Protanomaly

12.8436, 13.3858, 15.0035

Deuteranomaly

13.2221, 13.2808, 15.5022

Tritanomaly

12.8250, 13.3522, 16.0886

Monochromacy

**Original Color**

12.6556, 13.4297, 15.2898

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

12.5664, 13.2487, 14.7269

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.6556, 13.4297, 15.2898 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, 103, 105)` looks like.

```
.text, #text, p{  
    color:rgb(100, 103, 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, 103, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 103, 105) }
```

Border

The CSS property to change the border of an element to XYZ 12.6556, 13.4297, 15.2898 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, 103, 105) }
```


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

```
.border{ border-color:rgb(100, 103, 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, 103, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 103, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 103, 105);  
box-shadow:4px 4px 4px 4px rgb(100, 103,  
105) }
```

Background

The CSS property to change the background color of an element to XYZ 12.6556, 13.4297, 15.2898 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 103, 105) }
```

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

```
.background{ background-color: rgb(100,  
103, 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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