

Converting Colors

XYZ(12.1294, 13.0974, 16.1422)

Have a look what the booklet for
XYZ(12.1294, 13.0974, 16.1422)
contains.

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Color

**XYZ(12.1731, 13.1629,
16.0865)**

Conversions

Conversions Part 1

Format	Color
Hex	5E676C
RGB	94, 103, 108
RGB Percent	37%, 40%, 42%
CMY	0.6314, 0.5961, 0.5765
CMYK	0.13, 0.05, 0.00, 0.58
HSL	201°, 7%, 40%
HSV	201°, 13%, 42%
XYZ	12.1731, 13.1629, 16.0865
YIQ	100.8790, -6.9690, -0.3530

Conversions

Conversions Part 2

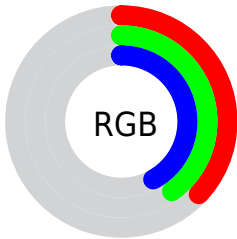
Format	Color
R_{YB}	94, 99, 108
Decimal	6186860
CIE _{Lab}	43.01, -2.31, -3.99
CIE _{LCh}	43, 4.613, 239.943
Yxy	13.1629, 0.2939, 0.3178
Android (android.graphics.Color)	4284376940 (0xFF5E676C)
YUV	100.8790, 3.5107, -6.0329
Hunter-Lab	36.2807, -3.6000, -0.8921

Details

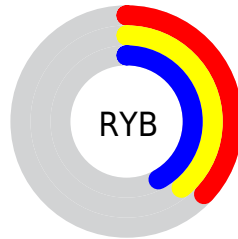
The XYZ color **12.1731, 13.1629, 16.0865** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **12.6666, 12.9199, 12.4160**, and the grayscale version is **12.3313, 12.9734, 14.1281**.

A 20% lighter version of the original color is **29.3152, 31.5437, 37.3444**, and **3.4754, 3.7936, 4.9640** is the 20% darker color. If you saturate the color by 10%, you get **10.7676, 11.8824, 15.9136**, and if you desaturate by 10%, it is **13.7521, 14.5598, 16.2731**.

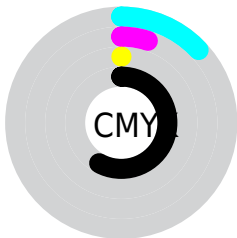
Distribution



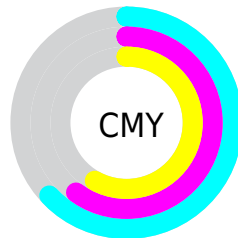
- Red (37%)
- Green (40%)
- Blue (42%)



- Red (37%)
- Yellow (39%)
- Blue (42%)



- Cyan (13%)
- Magenta (5%)
- Yellow (0%)
- Black (58%)



- Cyan (63%)
- Magenta (60%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.1731, 13.1629, 16.0865 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 12.1731, 13.1629, 16.0865 by changing the saturation by 10% instead.

■ 12.1731, 13.1629,
16.0865

■ 12.1731, 13.1629,
16.0865

199.2945,
211.9590, 241.7147

■ 6.9347, 7.5408,
9.4304

■ 29.4241, 31.5961,
37.5172

■ 3.4673, 3.8026,
4.9223

■ 42.1674, 45.1761,
53.1288

■ 1.4054, 1.5637,
2.1438

■ 58.1431, 62.1774,
72.5627

■ 0.2601, 0.3330,
0.6417

■ 77.7166, 82.9846,
96.2374

■ 0.0000, 0.0000,
0.0000

101.2530,
107.9819, 124.5714

129.1180,

137.5538, 157.9832

161.6767,
172.0848, 196.8915

■ 12.1731, 13.1629,
16.0865

■ 12.1731, 13.1629,
16.0865

■ 10.7676, 11.8824,
15.9136

■ 13.7521, 14.5598,
16.2731

■ 9.5277, 10.7128,
15.7532

■ 15.5096, 16.0750,
16.4730

■ 8.4468, 9.6508,
15.6052

■ 17.4521, 17.7125,
16.6866

■ 7.5173, 8.6919,
15.4691

■ 19.5850, 19.4755,
16.9145

■ 6.7308, 7.8316,
15.3445

■ 21.9139, 21.3671,
17.1569

■ 6.0782, 7.0648,
15.2309

■ 24.4440, 23.3903,
17.4140

■ 5.5491, 6.3857,
15.1277

■ 27.1801, 25.5479,
17.6863

■ 5.1294, 5.7867,
15.0342

■ 30.1271, 27.8428,
17.9739

■ 4.8623, 5.3936,
14.9724

■ 33.2896, 30.2777,
18.2772

Harmonies

Analogous

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



11.9303, 13.1629, 15.3274



12.1731, 13.1629, 16.0865



12.5103, 13.1629, 16.3713

Triad

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



12.1731, 13.1629, 16.0865



13.2040, 13.1629, 14.3341



12.1743, 13.1629, 12.7084

Complementary

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



12.1731, 13.1629, 16.0865



12.6666, 12.9199, 12.4160

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.



12.5116, 13.1629, 12.4698



12.1731, 13.1629, 16.0865



13.1101, 13.1629, 13.3810

Square

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



12.1731, 13.1629, 16.0865



13.1094, 13.1629, 15.3309



12.8550, 13.1629, 12.7102



11.9310, 13.1629, 13.3778

Rectangle

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



12.1731, 13.1629, 16.0865



12.7445, 13.1629, 16.2439



12.8550, 13.1629, 12.7102



12.2802, 13.1629, 12.5766

Sweetspot

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



12.1735, 13.1634, 16.0868



23.8099, 25.2699, 28.5304



12.2262, 14.0040, 13.8382



5.7203, 6.0790, 6.9006



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.



12.1735, 13.1634, 16.0868



20.4812, 22.3064, 28.1338



11.5150, 11.8466, 15.8673



3.0954, 3.3191, 3.9124



5.7733, 6.3810, 17.8496



28.5760, 30.8305, 90.6710

Inverse Universe

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



12.6355, 12.1731, 14.5163



21.4947, 20.1818, 24.6781



13.3487, 14.2840, 12.6434



3.1739, 3.1465, 3.6463



8.6610, 4.3165, 7.1092



43.7066, 21.8246, 33.9874

Previews

White Background



This preview shows how the XYZ color 12.1731, 13.1629, 16.0865 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 12.1731, 13.1629, 16.0865 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

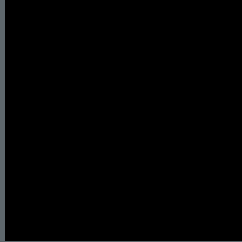
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

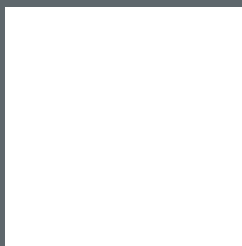
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.1731, 13.1629, 16.0865

Background



This preview shows how black text looks on a background with the XYZ color 12.1731, 13.1629, 16.0865.



This preview shows how white text looks on a background with the XYZ color 12.1731, 13.1629,

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

12.1731, 13.1629, 16.0865

Protanopia

12.7870, 13.1937, 15.7826

Deuteranopia

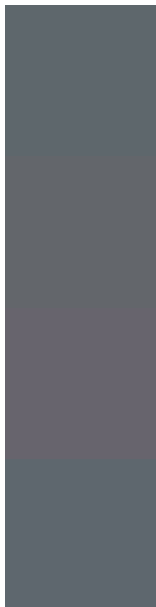
13.4065, 13.2160, 16.3123



Tritanopia

12.3356, 13.2279, 16.9420

Trichromacy



Original Color

12.1731, 13.1629, 16.0865

Protanomaly

12.5508, 13.2169, 15.7995

Deuteranomaly

12.9110, 13.1020, 16.3165

Tritanomaly

12.2808, 13.2060, 16.6536

Monochromacy



Original Color

12.1731, 13.1629, 16.0865

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

12.2871, 13.0989, 14.9774

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.1731, 13.1629, 16.0865 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(94, 103, 108) looks like.

```
.text, #text, p{  
    color:rgb(94, 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(94, 103, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 103, 108) }
```

Border

The CSS property to change the border of an element to XYZ 12.1731, 13.1629, 16.0865 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(94, 103, 108) }
```


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

```
.border{ border-color:rgb(94, 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(94, 103, 108) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 103, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 103, 108);  
box-shadow:4px 4px 4px 4px rgb(94, 103,  
108) }
```

Background

The CSS property to change the background color of an element to XYZ 12.1731, 13.1629, 16.0865 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 103, 108) }
```

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

```
.background{ background-color: rgb(94, 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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