

Converting Colors

XYZ(12.6896, 14.3471, 16.2878)

Have a look what the booklet for
XYZ(12.6896, 14.3471, 16.2878)
contains.

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Color

**XYZ(12.6896, 14.3471,
16.2878)**

Conversions

Conversions Part 1

Format	Color
Hex	5D6D6C
RGB	93, 109, 108
RGB Percent	36%, 43%, 42%
CMY	0.6353, 0.5725, 0.5765
CMYK	0.15, 0.00, 0.01, 0.57
HSL	176°, 8%, 40%
HSV	176°, 15%, 43%
XYZ	12.6896, 14.3471, 16.2878
YIQ	104.1020, -9.2150, -3.7030

Conversions

Conversions Part 2

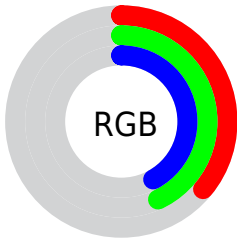
Format	Color
R_{YB}	93, 101, 109
Decimal	6122860
CIE Lab	44.73, -6.20, -1.47
CIE LCh	45, 6.376, 193.310
Yxy	14.3471, 0.2929, 0.3312
Android (android.graphics.Color)	4284312940 (0xFF5D6D6C)
YUV	104.1020, 1.9217, -9.7365
Hunter-Lab	37.8776, -6.4853, 1.0189

Details

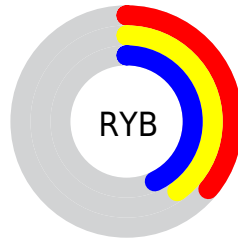
The XYZ color **12.6896, 14.3471, 16.2878** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **12.2419, 11.8885, 12.2398**, and the grayscale version is **13.1825, 13.8690, 15.1033**.

A 20% lighter version of the original color is **30.1565, 33.4845, 37.6746**, and **3.7372, 4.3865, 5.0646** is the 20% darker color. If you saturate the color by 10%, you get **11.6280, 13.8044, 16.0496**, and if you desaturate by 10%, it is **13.9096, 14.9722, 16.5355**.

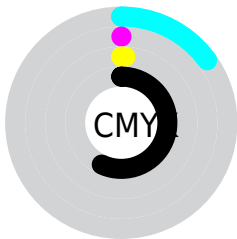
Distribution



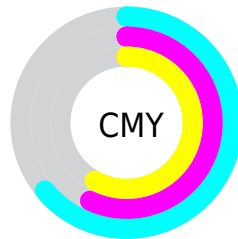
- Red (36%)
- Green (43%)
- Blue (42%)



- Red (36%)
- Yellow (40%)
- Blue (43%)



- Cyan (15%)
- Magenta (0%)
- Yellow (1%)
- Black (57%)



- Cyan (64%)
- Magenta (57%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.6896, 14.3471, 16.2878 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 12.6896, 14.3471, 16.2878 by changing the saturation by 10% instead.

■ 12.6896, 14.3471,
16.2878

■ 12.6896, 14.3471,
16.2878

202.5967,
219.3796, 242.9374

■ 7.2907, 8.3625,
9.5715

■ 30.3511, 33.7036,
37.8708

■ 3.6925, 4.3278,
5.0139

■ 43.3444, 47.8444,
53.5746

■ 1.5297, 1.8585,
2.1965

■ 59.5998, 65.4726,
73.1114

■ 0.3459, 0.5233,
0.6724

■ 79.4827, 86.9726,
96.8995

■ 0.0000, 0.0000,
0.0000

103.3585,
112.7290, 125.3577

131.5926,

143.1260, 158.9043

164.5502,
178.5481, 197.9581

■ 12.6896, 14.3471,
16.2878

■ 12.6896, 14.3471,
16.2878

■ 11.6280, 13.8044,
16.0496

■ 13.9096, 14.9722,
16.5355

■ 10.7169, 13.3388,
15.8196

■ 15.2931, 15.6812,
16.7920

■ 9.9497, 12.9475,
15.5979

■ 16.8462, 16.4776,
17.0580

■ 9.3187, 12.6262,
15.3840

■ 18.5747, 17.3643,
17.3336

■ 8.8155, 12.3709,
15.1775

■ 20.4838, 18.3441,
17.6193

■ 8.4309, 12.1766,
14.9781

■ 22.5786, 19.4197,
17.9151

■ 8.1542, 12.0380,
14.7851

■ 24.8641, 20.5935,
18.2213

■ 7.9668, 11.9453,
14.5978

■ 27.3451, 21.8680,
18.5382

■ 7.8761, 11.9006,
14.4992

■ 30.0260, 23.2456,
18.8659

Harmonies

Analogous

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



12.7041, 14.3471, 14.8162



12.6896, 14.3471, 16.2878



12.9242, 14.3471, 17.6620

Triad

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



12.6896, 14.3471, 16.2878



14.3315, 14.3471, 17.7915



13.9247, 14.3471, 13.0443

Complementary

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



12.6896, 14.3471, 16.2878



12.2419, 11.8885, 12.2398

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.



14.3745, 14.3471, 13.7446



12.6896, 14.3471, 16.2878



14.6134, 14.3471, 16.4556

Square

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



12.6896, 14.3471, 16.2878



13.8672, 14.3471, 18.5665



14.6293, 14.3471, 14.9737



13.4084, 14.3471, 13.0057

Rectangle

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



12.6896, 14.3471, 16.2878



13.1938, 14.3471, 18.3125



14.6293, 14.3471, 14.9737



14.0890, 14.3471, 13.2080

Sweetspot

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



12.6900, 14.3477, 16.2881



25.0392, 26.8770, 29.6338



12.0678, 14.1114, 12.4439



5.7938, 6.2376, 6.8896



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.



12.6900, 14.3477, 16.2881



21.9635, 25.3023, 29.0002



12.0329, 12.9476, 16.3336



3.1740, 3.4888, 3.9002



9.2085, 13.9175, 16.9410



46.8017, 70.8678, 85.6918

Inverse Universe

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



12.2419, 11.8885, 12.2398



20.9776, 19.8916, 20.0938



12.8337, 13.1436, 12.2167



3.1067, 3.1196, 3.2924



7.4167, 3.8188, 0.5570



37.6750, 19.4119, 2.2252

Previews

White Background



This preview shows how the XYZ color 12.6896, 14.3471, 16.2878 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 12.6896, 14.3471, 16.2878 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

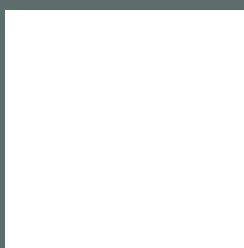
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.6896, 14.3471, 16.2878

Background



This preview shows how black text looks on a background with the XYZ color 12.6896, 14.3471, 16.2878.



This preview shows how white text looks on a background with the XYZ color 12.6896, 14.3471,

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

12.6896, 14.3471, 16.2878

Protanopia

13.7165, 14.2696, 15.6670

Deuteranopia

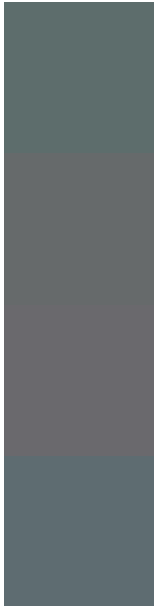
14.4511, 14.1843, 16.4442



Tritanopia

13.2343, 14.4190, 18.6086

Trichromacy



Original Color

12.6896, 14.3471, 16.2878

Protanomaly

13.2874, 14.1944, 15.9494

Deuteranomaly

13.7558, 14.2714, 16.4977

Tritanomaly

12.9593, 14.2971, 17.6994

Monochromacy



Original Color

12.6896, 14.3471, 16.2878

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

12.9594, 14.0373, 15.3910

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.6896, 14.3471, 16.2878 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(93, 109, 108) looks like.

```
.text, #text, p{  
    color:rgb(93, 109, 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(93, 109, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 109, 108) }
```

Border

The CSS property to change the border of an element to XYZ 12.6896, 14.3471, 16.2878 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(93, 109, 108) }
```


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

```
.border{ border-color:rgb(93, 109, 108) }
```

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

Here you see how a box with a 4 pixel rgb(93, 109, 108) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 109, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 109, 108);  
box-shadow:4px 4px 4px 4px rgb(93, 109,  
108) }
```

Background

The CSS property to change the background color of an element to XYZ 12.6896, 14.3471, 16.2878 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 109, 108) }
```

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

```
.background{ background-color: rgb(93, 109,  
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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