

Converting Colors

XYZ(12.7340, 14.1724, 22.3143)

Have a look what the booklet for
XYZ(12.7340, 14.1724, 22.3143)
contains.

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Color

**XYZ(12.8446, 14.2896,
22.5033)**

Conversions

Conversions Part 1

Format	Color
Hex	526D80
RGB	82, 109, 128
RGB Percent	32%, 43%, 50%
CMY	0.6784, 0.5725, 0.4980
CMYK	0.36, 0.15, 0.00, 0.50
HSL	205°, 22%, 41%
HSV	205°, 36%, 50%
XYZ	12.8446, 14.2896, 22.5033
YIQ	103.0930, -22.1910, 0.1850

Conversions

Conversions Part 2

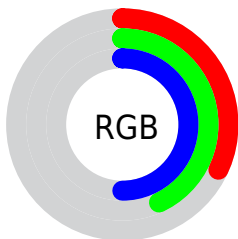
Format	Color
R _Y B	82, 99, 128
Decimal	5401984
CIE Lab	44.65, -4.82, -13.69
CIE LCh	45, 14.510, 250.607
Yxy	14.2896, 0.2588, 0.2879
Android (android.graphics.Color)	4283592064 (0xFF526D80)
YUV	103.0930, 12.2792, -18.4986
Hunter-Lab	37.8016, -5.5003, -8.8342

Details

The XYZ color **12.8446, 14.2896, 22.5033** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **15.0791, 14.5061, 9.9883**, and the grayscale version is **12.8898, 13.5611, 14.7680**.

A 20% lighter version of the original color is **30.5842, 33.4644, 48.5634**, and **3.7936, 4.3498, 8.0368** is the 20% darker color. If you saturate the color by 10%, you get **11.2866, 12.6745, 22.2739**, and if you desaturate by 10%, it is **14.6451, 16.0807, 22.7544**.

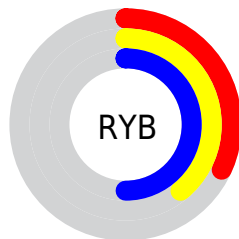
Distribution



Red (32%)

Green (43%)

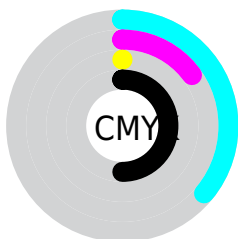
Blue (50%)



Red (32%)

Yellow (39%)

Blue (50%)

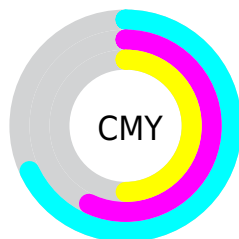


Cyan (36%)

Magenta (15%)

Yellow (0%)

Black (50%)



Cyan (68%)

Magenta (57%)

Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.8446, 14.2896, 22.5033 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 12.8446, 14.2896, 22.5033 by changing the saturation by 10% instead.

■ 12.8446, 14.2896,
22.5033

■ 12.8446, 14.2896,
22.5033

203.5771,
219.0251, 278.2022

■ 7.3979, 8.3224,
14.0253

■ 30.6280, 33.6020,
48.4893

■ 3.7607, 4.3019,
7.9993

■ 43.6954, 47.7160,
66.8343

■ 1.5677, 1.8438,
4.0068

■ 60.0338, 65.3143,
89.3055

■ 0.3712, 0.5143,
1.6291

■ 80.0084, 86.7813,
116.3214

■ 0.0000, 0.0000,
0.3114

■ 103.9847,
112.5016, 148.3004

■ 0.0000, 0.0000,
0.0000

132.3280,

142.8593, 185.6612

165.4037,
178.2390, 228.8223

■ 12.8446, 14.2896,
22.5033

■ 12.8446, 14.2896,
22.5033

■ 11.2866, 12.6745,
22.2739

■ 14.6451, 16.0807,
22.7544

■ 9.9576, 11.2266,
22.0645

■ 16.6980, 18.0529,
23.0268

■ 8.8448, 9.9388,
21.8746

■ 19.0142, 20.2129,
23.3217

■ 7.9333, 8.8024,
21.7033

■ 21.6037, 22.5666,
23.6395

■ 7.2061, 7.8077,
21.5496

■ 24.4758, 25.1197,
23.9809

■ 6.6350, 6.9392,
21.4121

■ 27.6394, 27.8775,
24.3465

■ 6.4214, 6.6087,
21.3595

■ 31.1030, 30.8451,
24.7368

■ 34.8746, 34.0276,
25.1522

■ 38.9621, 37.4295,
25.5935

Harmonies

Analogous

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



11.9361, 14.2896, 20.1670



12.8446, 14.2896, 22.5033



14.0024, 14.2896, 22.8334

Triad

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



12.8446, 14.2896, 22.5033



15.9284, 14.2896, 14.3969



12.1623, 14.2896, 11.1413

Complementary

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



12.8446, 14.2896, 22.5033



15.0791, 14.5061, 9.9883

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.



13.1698, 14.2896, 10.0213



12.8446, 14.2896, 22.5033



15.3723, 14.2896, 11.7125

Square

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



12.8446, 14.2896, 22.5033



15.8288, 14.2896, 17.8104



14.3468, 14.2896, 10.2140



11.5582, 14.2896, 13.5057

Rectangle

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



12.8446, 14.2896, 22.5033



14.7662, 14.2896, 21.8261



14.3468, 14.2896, 10.2140



12.4626, 14.2896, 10.6234

Sweetspot

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



12.8450, 14.2902, 22.5036



31.2500, 33.5236, 40.7799



13.5189, 18.1604, 14.9516



7.2115, 7.7507, 9.5343



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



12.8450, 14.2902, 22.5036



20.3734, 22.8454, 39.2921



10.7523, 10.1046, 21.8060



4.3021, 4.5982, 5.4741



6.3686, 6.5556, 21.1797



0.0000, 0.0000, 0.0000

Inverse Universe

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



14.6801, 11.7284, 15.9586



24.1850, 17.9571, 25.6004



17.5581, 19.4641, 10.8146



4.4253, 4.3833, 5.0442



10.0915, 5.0563, 7.0717



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 12.8446, 14.2896, 22.5033 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 12.8446, 14.2896, 22.5033 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

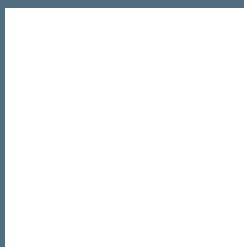
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.8446, 14.2896, 22.5033

Background



This preview shows how black text looks on a background with the XYZ color 12.8446, 14.2896, 22.5033.

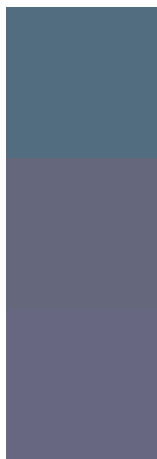


This preview shows how white text looks on a background with the XYZ color 12.8446, 14.2896,

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

12.8446, 14.2896, 22.5033

Protanopia

14.0188, 14.1480, 21.3940

Deuteranopia

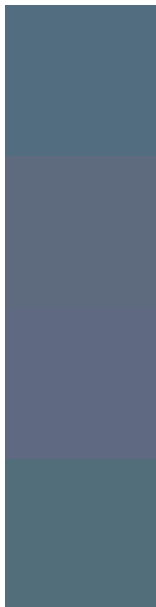
14.4062, 14.1690, 22.7445



Tritanopia

12.2140, 14.1892, 19.5478

Trichromacy



Original Color

12.8446, 14.2896, 22.5033

Protanomaly

13.5360, 14.1941, 21.7650

Deuteranomaly

13.7333, 14.1210, 22.7707

Tritanomaly

12.4821, 14.3063, 20.5159

Monochromacy



Original Color

12.8446, 14.2896, 22.5033

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

12.6955, 13.7059, 17.3056

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.8446, 14.2896, 22.5033 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(82, 109, 128) looks like.

```
.text, #text, p{  
    color:rgb(82, 109, 128)  
}
```

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(82, 109, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 109, 128) }
```

Border

The CSS property to change the border of an element to XYZ 12.8446, 14.2896, 22.5033 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(82, 109, 128) }
```


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

```
.border{ border-color:rgb(82, 109, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 109, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 109, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 109, 128);  
box-shadow:4px 4px 4px 4px rgb(82, 109,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 12.8446, 14.2896, 22.5033 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 109, 128) }
```

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

```
.background{ background-color: rgb(82, 109,  
128) }
```

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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