

Converting Colors

XYZ(14.5427, 16.6709, 25.9242)

Have a look what the booklet for
XYZ(14.5427, 16.6709, 25.9242)
contains.

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Color

**XYZ(14.4896, 16.5734,
25.7279)**

Conversions

Conversions Part 1

Format	Color
Hex	537688
RGB	83, 118, 136
RGB Percent	33%, 46%, 53%
CMY	0.6745, 0.5372, 0.4667
CMYK	0.39, 0.13, 0.00, 0.47
HSL	200°, 24%, 43%
HSV	200°, 39%, 53%
XYZ	14.4896, 16.5734, 25.7279
YIQ	109.5870, -26.6380, -1.8220

Conversions

Conversions Part 2

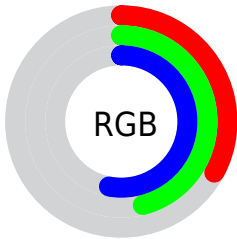
Format	Color
R_{YB}	83, 104, 136
Decimal	5469832
CIE _{Lab}	47.72, -7.55, -13.79
CIE _{LCh}	48, 15.716, 241.310
Yxy	16.5734, 0.2551, 0.2918
Android (android.graphics.Color)	4283659912 (0xFF537688)
YUV	109.5870, 13.0216, -23.3168
Hunter-Lab	40.7104, -7.7118, -8.9724

Details

The XYZ color **14.4896, 16.5734, 25.7279** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **16.3686, 15.1664, 10.2487**, and the grayscale version is **14.6727, 15.4368, 16.8106**.

A 20% lighter version of the original color is **33.5517, 37.5745, 53.6283**, and **4.4971, 5.3755, 9.6047** is the 20% darker color. If you saturate the color by 10%, you get **12.8748, 14.9535, 25.5006**, and if you desaturate by 10%, it is **16.3675, 18.3692, 25.9758**.

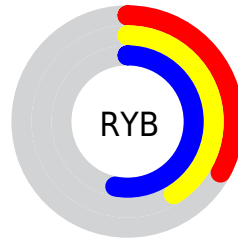
Distribution



Red (33%)

Green (46%)

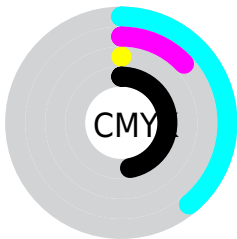
Blue (53%)



Red (33%)

Yellow (41%)

Blue (53%)

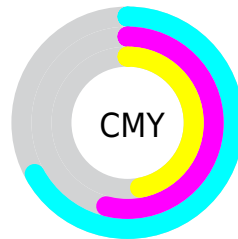


Cyan (39%)

Magenta (13%)

Yellow (0%)

Black (47%)



Cyan (67%)

Magenta (54%)

Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.4896, 16.5734, 25.7279 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 14.4896, 16.5734, 25.7279 by changing the saturation by 10% instead.

■ 14.4896, 16.5734,
25.7279

■ 14.4896, 16.5734,
25.7279

213.7059,
232.7019, 295.0066

■ 8.5459, 9.9308,
16.3963

■ 33.5343, 37.5908,
53.8143

■ 4.5009, 5.3531,
9.6476

■ 47.3661, 52.7345,
73.4062

■ 1.9893, 2.4559,
5.0634

■ 64.5580, 71.4806,
97.2552

■ 0.6279, 0.8544,
2.2251

■ 85.4753, 94.2135,
125.7800

■ 0.0000, 0.0000,
0.6888

■ 110.4833,
121.3177, 159.3989

■ 0.0000, 0.0000,
0.0000

139.9476,

153.1776, 198.5307

174.2333,
190.1775, 243.5937

■ 14.4896, 16.5734,
25.7279

■ 14.4896, 16.5734,
25.7279

■ 12.8748, 14.9535,
25.5006

■ 16.3675, 18.3692,
25.9758

■ 11.5074, 13.4998,
25.2921

■ 18.5199, 20.3462,
26.2440

■ 10.3721, 12.2042,
25.1019

■ 20.9596, 22.5120,
26.5335

■ 9.4515, 11.0570,
24.9290

■ 23.6980, 24.8729,
26.8448

■ 8.7250, 10.0472,
24.7723

■ 26.7459, 27.4350,
27.1787

■ 8.1422, 9.1480,
24.6295

■ 30.1133, 30.2041,
27.5357

■ 8.0845, 9.0586,
24.6153

■ 33.8101, 33.1856,
27.9164

■ 37.8455, 36.3848,
28.3212

■ 42.2285, 39.8069,
28.7507

Harmonies

Analogous

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



13.5532, 16.5734, 22.3770



14.4896, 16.5734, 25.7279



15.8144, 16.5734, 26.9486

Triad

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



14.4896, 16.5734, 25.7279



18.6137, 16.5734, 17.8692



14.3886, 16.5734, 12.2045

Complementary

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



14.4896, 16.5734, 25.7279



16.3686, 15.1664, 10.2487

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.



15.6908, 16.5734, 11.3574



14.4896, 16.5734, 25.7279



18.1778, 16.5734, 14.3127

Square

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



14.4896, 16.5734, 25.7279



18.2459, 16.5734, 22.0249



17.0868, 16.5734, 12.0686



13.4973, 16.5734, 14.5770

Rectangle

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



14.4896, 16.5734, 25.7279



16.7559, 16.5734, 26.2653



17.0868, 16.5734, 12.0686



14.7901, 16.5734, 11.7492

Sweetspot

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



14.4901, 16.5740, 25.7283



35.4646, 38.3789, 46.5871



14.7045, 20.3807, 15.3857



8.1035, 8.7911, 10.7761



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



14.4901, 16.5740, 25.7283



22.9403, 26.6107, 44.9757



11.8243, 11.2424, 24.8397



5.0322, 5.4073, 6.3843



7.6604, 8.5912, 23.3002



0.0645, 0.0843, 0.1593

Inverse Universe

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



16.5170, 12.7292, 18.7266



27.1645, 19.2314, 30.2416



19.3259, 21.0810, 11.2344



5.1629, 5.1006, 5.9461



11.3534, 5.6515, 9.6315



0.0823, 0.0403, 0.1002

Previews

White Background



This preview shows how the XYZ color 14.4896, 16.5734, 25.7279 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 14.4896, 16.5734, 25.7279 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

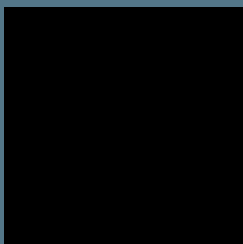
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

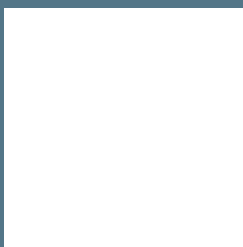
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 14.4896, 16.5734, 25.7279

Background



This preview shows how black text looks on a background with the XYZ color 14.4896, 16.5734, 25.7279.

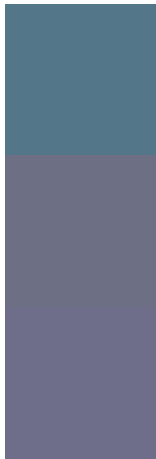


This preview shows how white text looks on a background with the XYZ color 14.4896, 16.5734,

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

14.4896, 16.5734, 25.7279

Protanopia

16.2657, 16.5055, 24.1584

Deuteranopia

16.7189, 16.3663, 26.3226



Tritanopia

13.9526, 16.5280, 23.2237

Trichromacy



Original Color

14.4896, 16.5734, 25.7279

Protanomaly

15.5065, 16.4374, 24.5458

Deuteranomaly

15.7873, 16.3831, 25.9971

Tritanomaly

14.2414, 16.6534, 24.2936

Monochromacy



Original Color

14.4896, 16.5734, 25.7279

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

14.4904, 15.8515, 19.7487

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.4896, 16.5734, 25.7279 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(83, 118, 136)` looks like.

```
.text, #text, p{  
    color:rgb(83, 118, 136)  
}
```

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(83, 118, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 118, 136) }
```

Border

The CSS property to change the border of an element to XYZ 14.4896, 16.5734, 25.7279 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(83, 118, 136) }
```


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

```
.border{ border-color:rgb(83, 118, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 118, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 118, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 118, 136);  
box-shadow:4px 4px 4px 4px rgb(83, 118,  
136) }
```

Background

The CSS property to change the background color of an element to XYZ 14.4896, 16.5734, 25.7279 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 118, 136) }
```

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

```
.background{ background-color: rgb(83, 118,  
136) }
```

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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