

Converting Colors

XYZ(12.6744, 13.5333, 26.6596)

Have a look what the booklet for
XYZ(12.6744, 13.5333, 26.6596)
contains.

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Color

**XYZ(12.6869, 13.4925,
26.7466)**

Conversions

Conversions Part 1

Format	Color
Hex	4B698C
RGB	75, 105, 140
RGB Percent	29%, 41%, 55%
CMY	0.7059, 0.5882, 0.4510
CMYK	0.46, 0.25, 0.00, 0.45
HSL	212°, 30%, 42%
HSV	212°, 46%, 55%
XYZ	12.6869, 13.4925, 26.7466
YIQ	100.0200, -29.1150, 4.5250

Conversions

Conversions Part 2

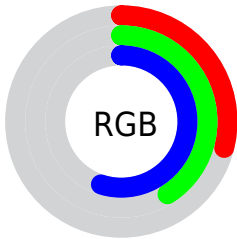
Format	Color
R_{YB}	75, 96, 140
Decimal	4942220
CIE _{Lab}	43.50, -0.92, -22.68
CIE _{LCh}	43, 22.695, 267.680
Yxy	13.4925, 0.2397, 0.2549
Android (android.graphics.Color)	4283132300 (0xFF4B698C)
YUV	100.0200, 19.7101, -21.9425
Hunter-Lab	36.7321, -2.6292, -17.4597

Details

The XYZ color **12.6869, 13.4925, 26.7466** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **17.6616, 17.2359, 9.0532**, and the grayscale version is **12.0753, 12.7042, 13.8348**.

A 20% lighter version of the original color is **30.3785, 32.1840, 55.6500**, and **3.6894, 3.9349, 10.2379** is the 20% darker color. If you saturate the color by 10%, you get **10.9760, 11.5210, 26.4565**, and if you desaturate by 10%, it is **14.7078, 15.7255, 27.0713**.

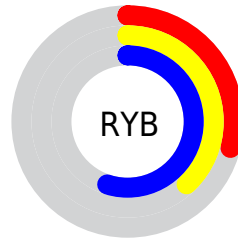
Distribution



Red (29%)

Green (41%)

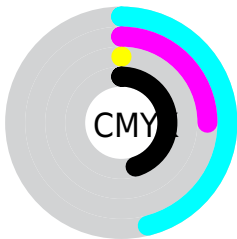
Blue (55%)



Red (29%)

Yellow (38%)

Blue (55%)

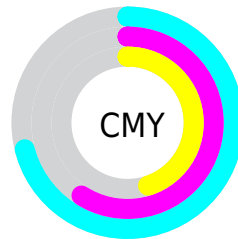


Cyan (46%)

Magenta (25%)

Yellow (0%)

Black (45%)



Cyan (71%)

Magenta (59%)

Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.6869, 13.4925, 26.7466 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 12.6869, 13.4925, 26.7466 by changing the saturation by 10% instead.

■ 12.6869, 13.4925,
26.7466

■ 12.6869, 13.4925,
26.7466

202.5796,
214.0504, 300.1494

■ 7.2888, 7.7686,
17.1522

■ 30.3463, 32.1858,
55.4758

■ 3.6913, 3.9472,
10.1800

■ 43.3382, 45.9239,
75.4476

■ 1.5290, 1.6441,
5.4113

■ 59.5922, 63.1022,
99.7158

■ 0.3454, 0.3870,
2.4276

■ 79.4735, 84.1051,
128.6987

■ 0.0000, 0.0000,
0.8014

■ 103.3476,
109.3170, 162.8150

■ 0.0000, 0.0000,
0.0000

131.5797,

139.1222, 202.4832

164.5353,
173.9052, 248.1218

■ 12.6869, 13.4925,
26.7466

■ 12.6869, 13.4925,
26.7466

■ 10.9760, 11.5210,
26.4565

■ 14.7078, 15.7255,
27.0713

■ 9.5559, 9.7975,
26.1987

■ 17.0536, 18.2292,
27.4310

■ 8.4075, 8.3099,
25.9721

■ 19.7396, 21.0144,
27.8270

■ 7.5081, 7.0435,
25.7750

■ 22.7801, 24.0906,
28.2605

■ 6.8219, 5.9769,
25.6053

■ 26.1881, 27.4669,
28.7326

■ 6.6020, 5.6300,
25.5500

■ 29.9761, 31.1520,
29.2442

■ 34.1561, 35.1540,
29.7964

■ 38.7393, 39.4811,
30.3900

■ 43.7367, 44.1407,
31.0260

Harmonies

Analogous

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



11.0887, 13.4925, 24.5681



12.6869, 13.4925, 26.7466



14.4718, 13.4925, 25.1284

Triad

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



12.6869, 13.4925, 26.7466



16.0818, 13.4925, 10.6109



10.1567, 13.4925, 10.0701

Complementary

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



12.6869, 13.4925, 26.7466



17.6616, 17.2359, 9.0532

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.



11.3067, 13.4925, 7.6373



12.6869, 13.4925, 26.7466



14.7320, 13.4925, 7.8954

Square

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



12.6869, 13.4925, 26.7466



16.5359, 13.4925, 15.0893



12.9625, 13.4925, 6.9432



9.7142, 13.4925, 14.2999

Rectangle

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



12.6869, 13.4925, 26.7466



15.5100, 13.4925, 22.2825



12.9625, 13.4925, 6.9432



10.4679, 13.4925, 9.0554

Sweetspot

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



12.6874, 13.4930, 26.7469



35.8909, 38.1614, 49.2172



15.0766, 21.3709, 17.9878



8.0427, 8.5611, 11.3080



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



12.6874, 13.4930, 26.7469



19.1447, 20.0677, 46.6074



10.3243, 8.5109, 25.9098



4.9524, 5.2478, 6.3577



5.8855, 5.0413, 22.7085



0.0535, 0.0623, 0.1557

Inverse Universe

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



15.8815, 11.6281, 14.7725



25.7072, 17.0359, 21.8267



21.1021, 24.6535, 10.3036



5.1226, 5.0845, 5.7341



10.4575, 5.2931, 4.9136



0.0767, 0.0381, 0.0709

Previews

White Background



This preview shows how the XYZ color 12.6869, 13.4925, 26.7466 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 12.6869, 13.4925, 26.7466 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

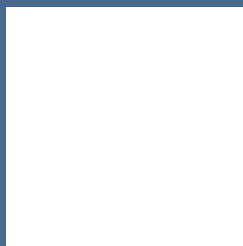
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.6869, 13.4925, 26.7466

Background



This preview shows how black text looks on a background with the XYZ color 12.6869, 13.4925, 26.7466.



This preview shows how white text looks on a background with the XYZ color 12.6869, 13.4925,

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

12.6869, 13.4925, 26.7466

Protanopia

13.5827, 13.3888, 25.5353

Deuteranopia

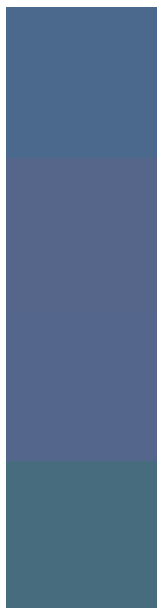
13.6778, 13.4041, 27.0657



Tritanopia

11.1225, 13.4742, 19.1541

Trichromacy



Original Color

12.6869, 13.4925, 26.7466

Protanomaly

13.1766, 13.3162, 25.9206

Deuteranomaly

13.3054, 13.3571, 27.0762

Tritanomaly

11.7270, 13.5711, 21.7401

Monochromacy



Original Color

12.6869, 13.4925, 26.7466

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

12.1603, 12.9647, 18.0812

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.6869, 13.4925, 26.7466 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(75, 105, 140)` looks like.

```
.text, #text, p{  
    color:rgb(75, 105, 140)  
}
```

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(75, 105, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 105, 140) }
```

Border

The CSS property to change the border of an element to XYZ 12.6869, 13.4925, 26.7466 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(75, 105, 140) }
```


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

```
.border{ border-color:rgb(75, 105, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 105, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 105, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 105, 140);  
box-shadow:4px 4px 4px 4px rgb(75, 105,  
140) }
```

Background

The CSS property to change the background color of an element to XYZ 12.6869, 13.4925, 26.7466 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 105, 140) }
```

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

```
.background{ background-color: rgb(75, 105,  
140) }
```

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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