

# Converting Colors

XYZ(26.1351, 36.2035, 29.8237)

Have a look what the booklet for  
XYZ(26.1351, 36.2035, 29.8237)  
contains.

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# Color

**XYZ(26.1353, 36.2825,  
29.6705)**

# Conversions

Conversions Part 1	
Format	Color
Hex	69B18A
RGB	105, 177, 138
RGB Percent	41%, 69%, 54%
CMY	0.5882, 0.3059, 0.4588
CMYK	0.41, 0.00, 0.22, 0.31
HSL	147°, 32%, 55%
HSV	147°, 41%, 69%
XYZ	26.1353, 36.2825, 29.6705
YIQ	151.0260, -30.3930, -27.3930

# Conversions

## Conversions Part 2

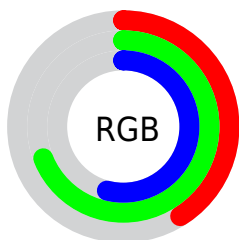
Format	Color
<a href="#">RYB</a>	<a href="#">105, 154, 177</a>
Decimal	<a href="#">6926730</a>
CIELab	<a href="#">66.74, -31.48, 12.98</a>
CIELCh	<a href="#">67, 34.053, 157.588</a>
Yxy	<a href="#">36.2825, 0.2838, 0.3940</a>
Android (android.graphics.Color)	<a href="#">4285116810</a> (0xFF69B18A)
YUV	<a href="#">151.0260, -6.4218, -40.3648</a>
Hunter-Lab	<a href="#">60.2350, -27.9619, 12.9594</a>

# Details

The XYZ color **26.1353, 36.2825, 29.6705** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **28.2183, 21.4648, 29.0429**, and the grayscale version is **29.4633, 30.9976, 33.7564**.

A 20% lighter version of the original color is **52.8410, 69.4103, 59.9027**, and **10.3853, 15.8499, 11.7445** is the 20% darker color. If you saturate the color by 10%, you get **23.6051, 35.0558, 26.0874**, and if you desaturate by 10%, it is **29.1615, 37.7598, 33.5983**.

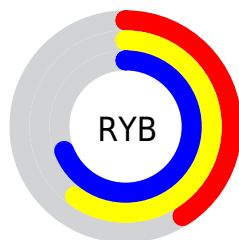
# Distribution



Red (41%)

Green (69%)

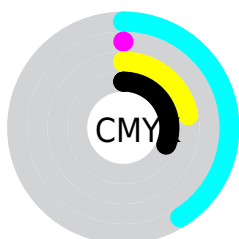
Blue (54%)



Red (41%)

Yellow (60%)

Blue (69%)

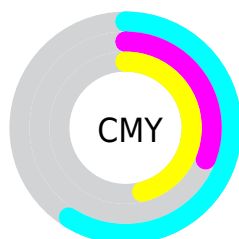


Cyan (41%)

Magenta (0%)

Yellow (22%)

Black (31%)



Cyan (59%)

Magenta (31%)


Yellow (46%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 26.1353, 36.2825, 29.6705 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 26.1353, 36.2825, 29.6705 by changing the saturation by 10% instead.





 26.1353, 36.2825,  
29.6705


 26.1353, 36.2825,  
29.6705


275.6902,  
330.1936, 314.5249


 17.0581, 24.6525,  
19.3387


 52.9229, 69.4679,  
60.1955


 10.3715, 15.8183,  
11.7360


 71.3640, 91.7920,  
81.2258

 5.7101, 9.3957,  
6.4438


 93.6571, 118.4496,  
106.6594

 2.7086, 5.0002,  
3.0437

 120.1675,  
149.8251, 136.9148

 1.0016, 2.2474,  
1.1170

151.2607,  
186.3028, 172.4105

 0.0000, 0.7456,  
0.0000


187.3020,


 0.0000, 0.0000,


228.2672, 213.5650


0.0000


228.6567,  
276.1027, 260.7970


 26.1353, 36.2825,  
29.6705


 26.1353, 36.2825,  
29.6705


 23.6051, 35.0558,  
26.0874


 29.1615, 37.7598,  
33.5983


 21.5392, 34.0606,  
22.8370


 32.7069, 39.4965,  
37.8775


 19.9070, 33.2823,  
19.9101


 36.7970, 41.5065,  
42.5177


 18.6724, 32.7024,  
17.2960


 41.4543, 43.8014,  
47.5274


 17.7932, 32.2994,  
14.9833


 46.7004, 46.3920,  
52.9148

 17.2127, 32.0415,  
13.0864

 52.5555, 49.2887,  
58.6877

 59.0389, 52.5013,  
64.8538

 66.1691, 56.0391,  
71.4206

 70.4571, 58.1033,  
78.2311

# Harmonies

## Analogous

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



28.8038, 36.2825, 21.0597



26.1353, 36.2825, 29.6705



25.5907, 36.2825, 43.3602

# Triad

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



26.1353, 36.2825, 29.6705



35.8063, 36.2825, 74.7094



42.9209, 36.2825, 24.6390

# Complementary

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



26.1353, 36.2825, 29.6705



28.2183, 21.4648, 29.0429

# 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.



45.2338, 36.2825, 35.8863



26.1353, 36.2825, 29.6705



40.8690, 36.2825, 66.4332

# Square

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



26.1353, 36.2825, 29.6705



30.8544, 36.2825, 71.8572



44.4479, 36.2825, 51.3040



38.3907, 36.2825, 18.6979



# Rectangle

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



26.1353, 36.2825, 29.6705



26.4499, 36.2825, 54.1095



44.4479, 36.2825, 51.3040



44.0029, 36.2825, 27.7984

# Sweetspot

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



26.1363, 36.2840, 29.6713



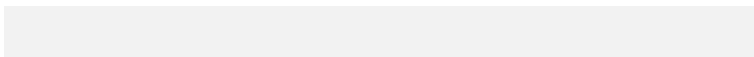
64.7163, 73.7515, 74.8334



29.8799, 38.4493, 19.2117



13.8175, 15.8811, 15.9858



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832



# Same Dimension

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



26.1363, 36.2840, 29.6713



42.6226, 62.9498, 47.2364



29.1306, 37.4817, 45.4394



8.5456, 9.5527, 9.8665



12.5006, 23.2262, 9.6390



0.4229, 0.7426, 0.4589



# Inverse Universe

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



28.2183, 21.4648, 29.0429



46.8713, 32.6862, 45.9370



25.9229, 20.5466, 16.9555



8.6824, 8.5797, 9.8260



14.6935, 7.3949, 8.8117



0.4913, 0.2443, 0.4301



# Previews

## White Background



This preview shows how the XYZ color 26.1353, 36.2825, 29.6705 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

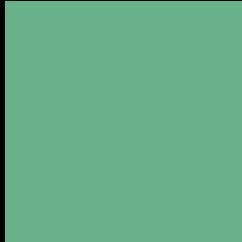
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 26.1353, 36.2825, 29.6705 looks on a black 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 ✓ Pass

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

**XYZ 26.1353, 36.2825, 29.6705**

## **Background**



This preview shows how black text looks on a background with the XYZ color 26.1353, 36.2825, 29.6705.



This preview shows how white text looks on a background with the XYZ color 26.1353, 36.2825,



# 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

26.1353, 36.2825, 29.6705

### Protanopia

33.5687, 35.7594, 26.2521

### Deuteranopia

36.6136, 35.9505, 30.9960



## **Tritanopia**

30.4171, 36.2995, 50.7508

# Trichromacy



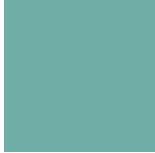
**Original Color**  
26.1353, 36.2825, 29.6705



**Protanomaly**  
30.0850, 35.5339, 27.4634



**Deuteranomaly**  
31.6007, 35.4426, 30.3749

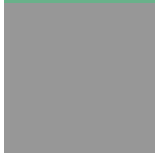


**Tritanomaly**  
28.6007, 36.1219, 42.0240

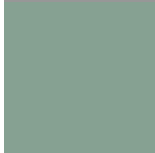
# Monochromacy



**Original Color**  
26.1353, 36.2825, 29.6705



**Achromatopsia**  
29.4150, 30.9469, 33.7012



**Achromatomaly**  
27.5906, 32.2853, 31.9716

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 26.1353, 36.2825, 29.6705 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(105, 177, 138)` looks like.

```
.text, #text, p{  
    color:rgb(105, 177, 138)  
}
```

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(105, 177, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 177, 138) }
```

## Border

The CSS property to change the border of an element to XYZ 26.1353, 36.2825, 29.6705 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(105, 177, 138) }
```



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

```
.border{ border-color:rgb(105, 177, 138) }
```

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

Here you see how a box with a 4 pixel rgb(105, 177, 138) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 177, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 177, 138);  
box-shadow:4px 4px 4px 4px rgb(105, 177,  
138) }
```

# Background

The CSS property to change the background color of an element to XYZ 26.1353, 36.2825, 29.6705 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 177, 138) }
```

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

```
.background{ background-color: rgb(105,  
177, 138) }
```

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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