

# Converting Colors

XYZ(25.7878, 33.1029, 20.5939)

Have a look what the booklet for  
XYZ(25.7878, 33.1029, 20.5939)  
contains.

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# Color

**XYZ(25.8228, 33.2105,  
20.6721)**

# Conversions

## Conversions Part 1

Format	Color
Hex	82A671
RGB	130, 166, 113
RGB Percent	51%, 65%, 44%
CMY	0.4902, 0.3490, 0.5569
CMYK	0.22, 0.00, 0.32, 0.35
HSL	101°, 23%, 55%
HSV	101°, 32%, 65%
XYZ	25.8228, 33.2105, 20.6721
YIQ	149.1940, -4.4430, -24.1150

# Conversions

## Conversions Part 2

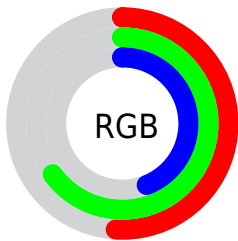
<b>Format</b>	<b>Color</b>
<b>RYB</b>	113, 166, 149
Decimal	8562289
CIELab	64.33, -22.42, 23.55
CIElCh	64, 32.516, 133.586
Yxy	33.2105, 0.3240, 0.4167
Android (android.graphics.Color)	4286752369 (0xFF82A671)
YUV	149.1940, -17.8436, -16.8331
Hunter-Lab	57.6286, -20.8658, 19.0719

# Details

The XYZ color **25.8228, 33.2105, 20.6721** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **25.1839, 20.9540, 38.7953**, and the grayscale version is **28.7236, 30.2195, 32.9090**.

A 20% lighter version of the original color is **52.4151, 64.6199, 45.3076**, and **10.1672, 14.0671, 7.0298** is the 20% darker color. If you saturate the color by 10%, you get **23.3367, 32.0282, 16.1156**, and if you desaturate by 10%, it is **28.6712, 34.5618, 26.1393**.

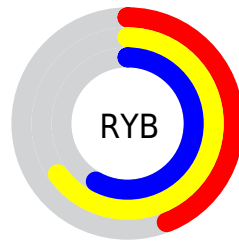
# Distribution



Red (51%)

Green (65%)

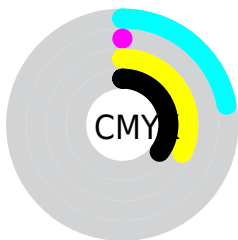
Blue (44%)



Red (44%)

Yellow (65%)

Blue (58%)

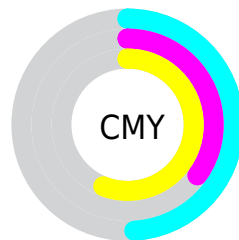


Cyan (22%)

Magenta (0%)

Yellow (32%)

Black (35%)



Cyan (49%)

Magenta (35%)


Yellow (56%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 25.8228, 33.2105, 20.6721 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 25.8228, 33.2105, 20.6721 by changing the saturation by 10% instead.





 25.8228, 33.2105,  
20.6721


 25.8228, 33.2105,  
20.6721


274.1838,  
316.5972, 268.2543


 16.8231, 22.2878,  
12.6956

 52.4223, 64.7040,  
45.4149


 10.2030, 14.0685,  
7.0910

 70.7528, 86.0436,  
63.0182

 5.5970, 8.1683,  
3.4398


 92.9243, 111.6242,  
84.6676

 2.6400, 4.2028,  
1.3233

 119.3021,  
141.8303, 110.7816

 0.9664, 1.7877,  
0.0808

150.2516,  
177.0463, 141.7788

 0.0000, 0.4795,  
0.0000

186.1381,

 0.0000, 0.0000,

217.6565, 178.0775

0.0000

227.3271,  
264.0453, 220.0965

■ 25.8228, 33.2105,  
20.6721

■ 25.8228, 33.2105,  
20.6721

■ 23.3367, 32.0282,  
16.1156

■ 28.6712, 34.5618,  
26.1393

■ 21.1949, 31.0037,  
12.4182

■ 31.8937, 36.0843,  
32.5608

■ 19.3817, 30.1310,  
9.5264


■ 35.5048, 37.7854,  
39.9798


■ 17.8788, 29.4022,  
7.3801


■ 39.5174, 39.6710,  
48.4365


■ 16.6661, 28.8083,  
5.9105


■ 43.9437, 41.7464,  
57.9685


 15.7203, 28.3391,  
5.0359

 48.7956, 44.0171,  
68.6119

 15.1178, 28.0372,  
4.6149

 54.0842, 46.4881,  
80.4010

 59.8205, 49.1641,  
93.3685

 64.7993, 51.5638,  
101.1453

# Harmonies

## Analogous

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



29.5223, 33.2105, 16.6243



25.8228, 33.2105, 20.6721



23.7805, 33.2105, 29.4308

# Triad

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



25.8228, 33.2105, 20.6721



29.1188, 33.2105, 66.5062



41.0227, 33.2105, 30.5016

# Complementary

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



25.8228, 33.2105, 20.6721



25.1839, 20.9540, 38.7953

# 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.



40.8876, 33.2105, 43.8452



25.8228, 33.2105, 20.6721



33.7011, 33.2105, 66.9956

# Square

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



25.8228, 33.2105, 20.6721



25.5524, 33.2105, 56.7154



38.1023, 33.2105, 57.9233



38.4551, 33.2105, 21.2902



# Rectangle

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



25.8228, 33.2105, 20.6721



23.4960, 33.2105, 37.7773



38.1023, 33.2105, 57.9233



41.2989, 33.2105, 34.5907

# Sweetspot

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



25.8237, 33.2119, 20.6728



58.9716, 66.0007, 61.3055



29.3501, 30.5852, 19.9799



13.0069, 14.6802, 13.3335



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656



# Same Dimension

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



25.8237, 33.2119, 20.6728



43.7364, 58.7854, 31.7369



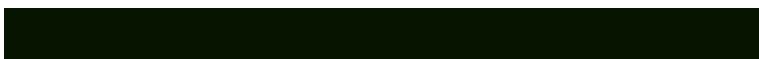
23.9498, 32.1856, 23.3091



7.6548, 8.5202, 8.0304



11.7667, 21.7632, 3.5805



0.3392, 0.5568, 0.0896



# Inverse Universe

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



25.1839, 20.9540, 38.7953



42.3889, 33.1437, 69.6385



27.7323, 22.3582, 34.8283



7.6045, 7.5442, 9.4737



10.6445, 4.8709, 28.3546



0.3088, 0.1442, 0.6922



# Previews

## White Background



This preview shows how the XYZ color 25.8228, 33.2105, 20.6721 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

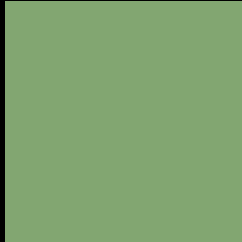
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 25.8228, 33.2105, 20.6721 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

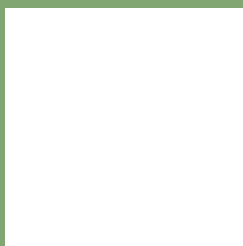
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 25.8228, 33.2105, 20.6721**

## **Background**



This preview shows how black text looks on a background with the XYZ color 25.8228, 33.2105, 20.6721.



This preview shows how white text looks on a background with the XYZ color 25.8228, 33.2105,



# 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

25.8228, 33.2105, 20.6721

### Protanopia

30.5766, 32.8502, 18.9165

### Deuteranopia

33.4868, 32.8465, 21.4047



## Tritanopia

30.3963, 33.2255, 43.3392

# Trichromacy



## Original Color

25.8228, 33.2105, 20.6721

## Protanomaly

28.5390, 32.7921, 19.5772

## Deuteranomaly

30.1836, 32.5962, 21.2238

## Tritanomaly

28.5787, 33.2769, 33.7710

# Monochromacy



## Original Color

25.8228, 33.2105, 20.6721

## Achromatopsia

28.5667, 30.0544, 32.7292

## Achromatomaly

27.3206, 30.9710, 27.8306

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 25.8228, 33.2105, 20.6721 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(130, 166, 113)` looks like.

```
.text, #text, p{  
    color:rgb(130, 166, 113)  
}
```

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(130, 166, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 166, 113) }
```

## Border

The CSS property to change the border of an element to XYZ 25.8228, 33.2105, 20.6721 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(130, 166, 113) }
```



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

```
.border{ border-color:rgb(130, 166, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 166, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 166, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 166, 113);  
box-shadow:4px 4px 4px 4px rgb(130, 166,  
113) }
```

# Background

The CSS property to change the background color of an element to XYZ 25.8228, 33.2105, 20.6721 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 166, 113) }
```

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

```
.background{ background-color: rgb(130,  
166, 113) }
```

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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