

# Converting Colors

XYZ(25.7320, 15.8672, 22.6665)

Have a look what the booklet for  
XYZ(25.7320, 15.8672, 22.6665)  
contains.

<b>XYZ(25.8636, 15.9363, 22.8319)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(25.8636, 15.9363,  
22.8319)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	B84482
RGB	184, 68, 130
RGB Percent	72%, 27%, 51%
CMY	0.2784, 0.7333, 0.4902
CMYK	0.00, 0.63, 0.29, 0.28
HSL	328°, 46%, 49%
HSV	328°, 63%, 72%
XYZ	25.8636, 15.9363, 22.8319
YIQ	109.7520, 49.2340, 43.8740

# Conversions

## Conversions Part 2

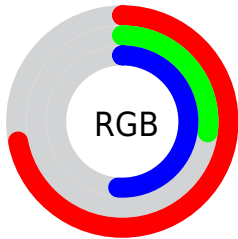
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	184, 68, 130
Decimal	12076162
CIE <sub>Lab</sub>	46.89, 52.93, -10.39
CIE <sub>LCh</sub>	47, 53.935, 348.895
Yxy	15.9363, 0.4002, 0.2466
Android (android.graphics.Color)	4290266242 (0xFFB84482)
YUV	109.7520, 9.9823, 65.1155
Hunter-Lab	39.9203, 45.7862, -5.9659

# Details

The XYZ color **25.8636, 15.9363, 22.8319** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **23.0382, 36.9157, 24.3256**, and the grayscale version is **14.7132, 15.4794, 16.8571**.

A 20% lighter version of the original color is **52.4689, 36.3927, 49.0588**, and **10.2376, 5.1061, 8.2306** is the 20% darker color. If you saturate the color by 10%, you get **24.3690, 13.8292, 19.6140**, and if you desaturate by 10%, it is **27.7562, 18.7625, 26.4189**.

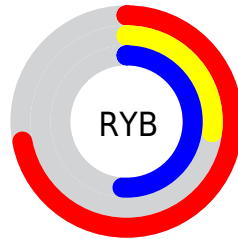
# Distribution



Red (72%)

Green (27%)

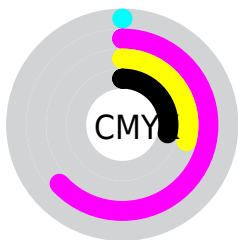
Blue (51%)



Red (72%)

Yellow (27%)

Blue (51%)

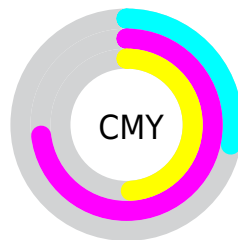


Cyan (0%)

Magenta (63%)

Yellow (29%)

Black (28%)



Cyan (28%)

Magenta (73%)


Yellow (49%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 25.8636, 15.9363, 22.8319 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 25.8636, 15.9363, 22.8319 by changing the saturation by 10% instead.




 25.8636, 15.9363,  
22.8319


 25.8636, 15.9363,  
22.8319


274.3809,  
228.9655, 279.9543


 16.8538, 9.4791,  
14.2653


 52.4877, 36.4876,  
49.0369


 10.2249, 5.0550,  
8.1646

 70.8327, 51.3504,  
67.5123


 5.6118, 2.2796,  
4.1111

 93.0201, 69.7840,  
90.1277

 2.6489, 0.7629,  
1.6865

 119.4152, 92.1726,  
117.3018

 0.9709, 0.0000,  
0.3515

 150.3835,  
118.9006, 149.4529

 0.0000, 0.0000,  
0.0000

186.2903,

150.3526, 186.9997

227.5010,  
186.9127, 230.3606

■ 25.8636, 15.9363,  
22.8319

■ 25.8636, 15.9363,  
22.8319

■ 24.3690, 13.8292,  
19.6140

■ 27.7562, 18.7625,  
26.4189

■ 23.2359, 12.3705,  
16.7470

■ 30.0760, 22.3649,  
30.3899

■ 22.4228, 11.4790,  
14.2112

■ 32.8511, 26.7977,  
34.7597

■ 21.9880, 11.0787,  
12.6193

■ 36.1066, 32.1094,  
39.5419

■ 39.8656, 38.3448,  
44.7493

■ 44.1499, 45.5457,  
50.3938

■ 48.9798, 53.7512,  
56.4871

■ 54.3745, 62.9982,  
63.0401

■ 60.3523, 73.3219,  
70.0636

# Harmonies

## Analogous

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



23.0319, 15.9363, 40.5483



25.8636, 15.9363, 22.8319



25.4120, 15.9363, 10.2449

# Triad

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



25.8636, 15.9363, 22.8319



12.4037, 15.9363, 2.5745



9.9467, 15.9363, 45.0888

# Complementary

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



25.8636, 15.9363, 22.8319



23.0382, 36.9157, 24.3256

# 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.



8.1023, 15.9363, 27.1604



25.8636, 15.9363, 22.8319



9.3047, 15.9363, 5.2889

# Square

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



25.8636, 15.9363, 22.8319



16.9559, 15.9363, 2.3276



7.8946, 15.9363, 12.8275



13.4715, 15.9363, 57.1794



# Rectangle

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



25.8636, 15.9363, 22.8319



23.3294, 15.9363, 5.6429



7.8946, 15.9363, 12.8275



9.1438, 15.9363, 39.2166

# Sweetspot

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



25.8641, 15.9371, 22.8322



67.8803, 62.2144, 75.1026



18.4933, 11.6034, 46.6127



14.2315, 12.7479, 15.6252



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988



# Same Dimension

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



25.8641, 15.9371, 22.8322



43.2300, 23.8144, 33.2807



23.0643, 14.8172, 8.0887



9.1998, 9.0903, 10.3997



15.1899, 7.6497, 8.8869



0.5664, 0.2820, 0.4762



# Inverse Universe

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



25.8641, 15.9371, 22.8322



43.2300, 23.8144, 33.2807



27.5810, 38.7328, 48.2478



9.1998, 9.0903, 10.3997



15.1899, 7.6497, 8.8869



0.5664, 0.2820, 0.4762



# Previews

## White Background



This preview shows how the XYZ color 25.8636, 15.9363, 22.8319 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

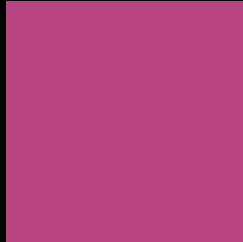
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 25.8636, 15.9363, 22.8319 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

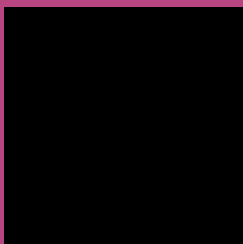
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**XYZ 25.8636, 15.9363, 22.8319**

## **Background**



This preview shows how black text looks on a background with the XYZ color 25.8636, 15.9363, 22.8319.



This preview shows how white text looks on a background with the XYZ color 25.8636, 15.9363,



# 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

25.8636, 15.9363, 22.8319

### Protanopia

16.7450, 16.1767, 35.4976

### Deuteranopia

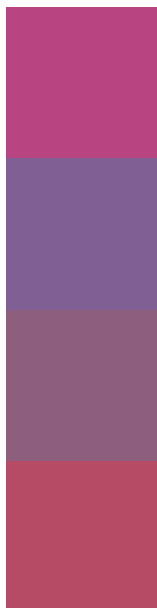
16.4428, 16.1744, 21.3241



## Tritanopia

23.2186, 15.9354, 10.2396

# Trichromacy



## Original Color

25.8636, 15.9363, 22.8319

## Protanomaly

18.4191, 14.9435, 30.3474

## Deuteranomaly

18.7531, 15.1745, 21.6792

## Tritanomaly

23.9211, 15.7955, 14.1000

# Monochromacy



## Original Color

25.8636, 15.9363, 22.8319

## Achromatopsia

14.8208, 15.5926, 16.9804

## Achromatomaly

17.6196, 14.7871, 18.7552

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 25.8636, 15.9363, 22.8319 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(184, 68, 130)` looks like.

```
.text, #text, p{  
    color:rgb(184, 68, 130)  
}
```

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(184, 68, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 68, 130) }
```

## Border

The CSS property to change the border of an element to XYZ 25.8636, 15.9363, 22.8319 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(184, 68, 130) }
```



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

```
.border{ border-color:rgb(184, 68, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 68, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 68, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 68, 130);  
box-shadow:4px 4px 4px 4px rgb(184, 68,  
130) }
```

# Background

The CSS property to change the background color of an element to XYZ 25.8636, 15.9363, 22.8319 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 68, 130) }
```

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

```
.background{ background-color: rgb(184, 68,  
130) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor