

# Converting Colors

XYZ(24.9788, 28.9477, 37.5282)

Have a look what the booklet for  
XYZ(24.9788, 28.9477, 37.5282)  
contains.

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# Color

**XYZ(25.0725, 29.1024,  
37.5536)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	7599A0
RGB	117, 153, 160
RGB Percent	46%, 60%, 63%
CMY	0.5412, 0.4000, 0.3725
CMYK	0.27, 0.04, 0.00, 0.37
HSL	190°, 18%, 54%
HSV	190°, 27%, 63%
XYZ	25.0725, 29.1024, 37.5536
YIQ	143.0340, -23.7030, -5.4550

# Conversions

## Conversions Part 2

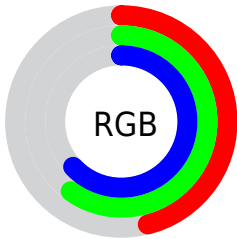
<b>Format</b>	<b>Color</b>
<b>RYB</b>	117, 137, 160
Decimal	7707040
CIELab	60.87, -10.68, -7.72
CIElCh	61, 13.175, 215.872
Yxy	29.1024, 0.2733, 0.3173
Android (android.graphics.Color)	4285897120 (0xFF7599A0)
YUV	143.0340, 8.3642, -22.8318
Hunter-Lab	53.9466, -11.4461, -3.5106

# Details

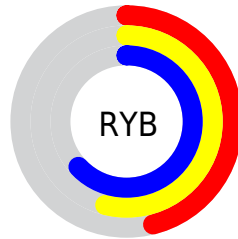
The XYZ color **25.0725, 29.1024, 37.5536** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **24.9161, 23.1735, 19.9900**, and the grayscale version is **26.0971, 27.4562, 29.8998**.

A 20% lighter version of the original color is **51.1561, 58.0780, 72.8039**, and **9.8264, 11.8002, 16.2277** is the 20% darker color. If you saturate the color by 10%, you get **22.6824, 27.2451, 37.3216**, and if you desaturate by 10%, it is **27.8411, 31.1701, 37.8073**.

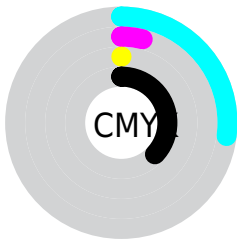
# Distribution



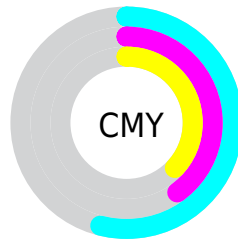
- Red (46%)
- Green (60%)
- Blue (63%)



- Red (46%)
- Yellow (54%)
- Blue (63%)



- Cyan (27%)
- Magenta (4%)
- Yellow (0%)
- Black (37%)



- Cyan (54%)
- Magenta (40%)
- Yellow (37%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 25.0725, 29.1024, 37.5536 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 25.0725, 29.1024, 37.5536 by changing the saturation by 10% instead.



■ 25.0725, 29.1024,  
37.5536

■ 25.0725, 29.1024,  
37.5536

270.5398,  
297.6978, 350.9417

■ 16.2601, 19.1583,  
25.3373

■ 51.2169, 58.2397,  
72.6192

■ 9.8004, 11.7847,  
16.1072

■ 69.2795, 78.2018,  
96.3056

■ 5.3281, 6.5973,  
9.4449

■ 91.1563, 102.2719,  
124.6524

■ 2.4777, 3.2115,  
4.9317

117.2126,  
130.8345, 158.0782

■ 0.8840, 1.2431,  
2.1492

147.8138,  
164.2740, 197.0014

■ 0.0000, 0.0965,  
0.6448

183.3251,

■ 0.0000, 0.0000,

202.9748, 241.8408

0.0000

224.1120,  
247.3213, 293.0147

■ 25.0725, 29.1024,  
37.5536

■ 25.0725, 29.1024,  
37.5536

■ 22.6824, 27.2451,  
37.3216

■ 27.8411, 31.1701,  
37.8073

■ 20.6495, 25.5850,  
37.1083

■ 31.0030, 33.4537,  
38.0814

■ 18.9542, 24.1125,  
36.9134

■ 34.5754, 35.9628,  
38.3774

■ 17.5741, 22.8161,  
36.7359

■ 38.5736, 38.7056,  
38.6961

■ 16.4838, 21.6825,  
36.5746

■ 43.0123, 41.6896,  
39.0381

■ 15.6541, 20.6967,  
36.4280

■ 47.9053, 44.9221,  
39.4042

■ 15.0404, 19.8355,  
36.2941

■ 53.2659, 48.4099,  
39.7948

■ 14.8649, 19.5774,  
36.2536

■ 59.1067, 52.1596,  
40.2108

■ 63.1969, 55.0214,  
40.5476

# Harmonies

## Analogous

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



24.5069, 29.1024, 32.6642



25.0725, 29.1024, 37.5536



26.3340, 29.1024, 41.1176

# Triad

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



25.0725, 29.1024, 37.5536



30.7828, 29.1024, 35.7094



27.3248, 29.1024, 23.1865

# Complementary

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



25.0725, 29.1024, 37.5536



24.9161, 23.1735, 19.9900

# 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.



29.0317, 29.1024, 23.8223



25.0725, 29.1024, 37.5536



31.0747, 29.1024, 30.7306

# Square

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



25.0725, 29.1024, 37.5536



29.6398, 29.1024, 39.9781



30.4217, 29.1024, 26.4666



25.7722, 29.1024, 24.6306



# Rectangle

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



25.0725, 29.1024, 37.5536



27.4241, 29.1024, 42.0779



30.4217, 29.1024, 26.4666



27.8991, 29.1024, 23.1661

# Sweetspot

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



25.0734, 29.1036, 37.5543



55.5159, 60.1881, 69.0780



23.5109, 30.3655, 23.5095



11.9878, 13.0658, 15.1338



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444



# Same Dimension

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



25.0734, 29.1036, 37.5543



42.9507, 50.8600, 67.9398



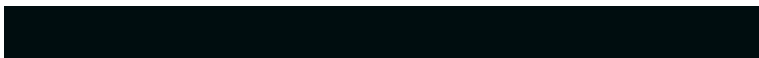
21.9399, 22.8367, 36.5098



6.7299, 7.3255, 8.4659



11.6063, 15.3042, 28.2495



0.2299, 0.3184, 0.5126



# Inverse Universe

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



26.6090, 22.4968, 33.0781



46.2411, 37.0588, 58.2690



27.8264, 28.9941, 20.9601



6.8578, 6.7360, 8.1021



14.6565, 7.1672, 18.2402



0.2733, 0.1327, 0.3856



# Previews

## White Background



This preview shows how the XYZ color 25.0725, 29.1024, 37.5536 looks on a white 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



# Black Background



This preview shows how the XYZ color 25.0725, 29.1024, 37.5536 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

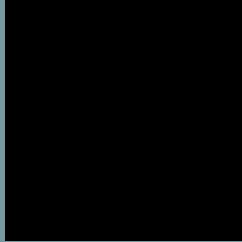
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

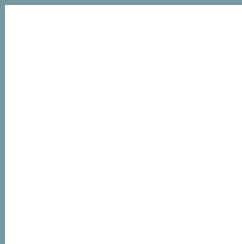
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 25.0725, 29.1024, 37.5536**

## **Background**



This preview shows how black text looks on a background with the XYZ color 25.0725, 29.1024, 37.5536.



This preview shows how white text looks on a background with the XYZ color 25.0725, 29.1024,



# 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

25.0725, 29.1024, 37.5536

### Protanopia

28.0493, 29.0353, 35.1364

### Deuteranopia

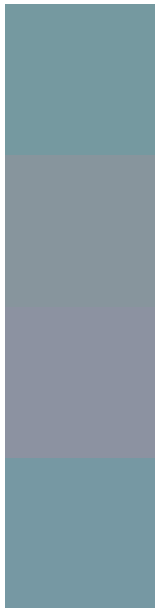
29.3315, 28.7269, 38.1813



## Tritanopia

25.4003, 28.9884, 39.3785

# Trichromacy



## Original Color

25.0725, 29.1024, 37.5536

## Protanomaly

26.8249, 29.0801, 36.0975

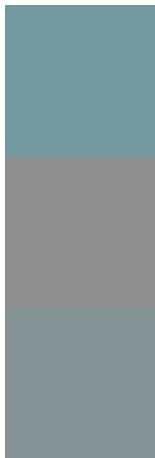
## Deuteranomaly

27.5271, 28.7064, 37.8083

## Tritanomaly

25.3103, 28.9524, 38.9047

# Monochromacy



## Original Color

25.0725, 29.1024, 37.5536

## Achromatopsia

26.1081, 27.4677, 29.9124

## Achromatomaly

25.6900, 28.1057, 32.5047

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 25.0725, 29.1024, 37.5536 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(117, 153, 160)` looks like.

```
.text, #text, p{  
    color:rgb(117, 153, 160)  
}
```

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(117, 153, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 153, 160) }
```

## Border

The CSS property to change the border of an element to XYZ 25.0725, 29.1024, 37.5536 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(117, 153, 160) }
```



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

```
.border{ border-color:rgb(117, 153, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 153, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 153, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 153, 160);  
box-shadow:4px 4px 4px 4px rgb(117, 153,  
160) }
```

# Background

The CSS property to change the background color of an element to XYZ 25.0725, 29.1024, 37.5536 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 153, 160) }
```

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

```
.background{ background-color: rgb(117,  
153, 160) }
```

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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