

# Converting Colors

XYZ(26.1158, 31.2183, 45.7237)

Have a look what the booklet for  
XYZ(26.1158, 31.2183, 45.7237)  
contains.

<b>XYZ(26.1162, 31.2193, 45.7237)</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(26.1162, 31.2193,  
45.7237)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	68A0B0
RGB	104, 160, 176
RGB Percent	41%, 63%, 69%
CMY	0.5921, 0.3725, 0.3098
CMYK	0.41, 0.09, 0.00, 0.31
HSL	193°, 31%, 55%
HSV	193°, 41%, 69%
XYZ	26.1162, 31.2193, 45.7237
YIQ	145.0800, -38.5120, -6.8960

# Conversions

## Conversions Part 2

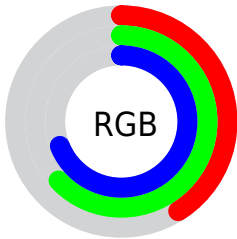
<b>Format</b>	<b>Color</b>
<b>RYB</b>	104, 136, 176
Decimal	6856880
CIELab	62.69, -14.13, -14.09
CIELCh	63, 19.959, 224.919
Yxy	31.2193, 0.2534, 0.3029
Android (android.graphics.Color)	4285046960 (0xFF68A0B0)
YUV	145.0800, 15.2436, -36.0272
Hunter-Lab	55.8742, -14.3471, -9.4070

# Details

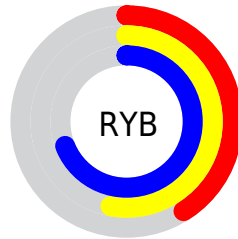
The XYZ color **26.1162, 31.2193, 45.7237** is a light color, and the websafe version is hex **669999**. A complement of this color would be **27.1201, 23.6629, 16.2355**, and the grayscale version is **26.8982, 28.2990, 30.8176**.

A 20% lighter version of the original color is **52.9665, 61.6962, 85.4609**, and **10.3030, 12.8590, 20.6779** is the 20% darker color. If you saturate the color by 10%, you get **23.6155, 28.9401, 45.4161**, and if you desaturate by 10%, it is **29.0665, 33.7633, 46.0598**.

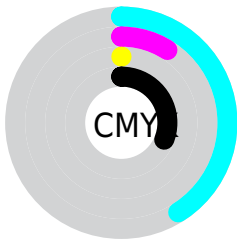
# Distribution



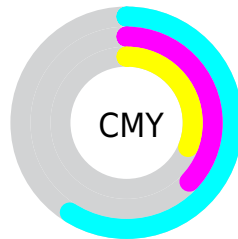
- Red (41%)
- Green (63%)
- Blue (69%)



- Red (41%)
- Yellow (53%)
- Blue (69%)



- Cyan (41%)
- Magenta (9%)
- Yellow (0%)
- Black (31%)



- Cyan (59%)
- Magenta (37%)
- Yellow (31%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 26.1162, 31.2193, 45.7237 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 26.1162, 31.2193, 45.7237 by changing the saturation by 10% instead.



■ 26.1162, 31.2193,  
45.7237

■ 26.1162, 31.2193,  
45.7237

275.5983,  
307.5474, 385.9420

■ 17.0437, 20.7659,  
31.6808

■ 52.8923, 61.5852,  
85.1353

■ 10.3612, 12.9530,  
20.8550

■ 71.3267, 82.2664,  
111.3410

■ 5.7032, 7.3962,  
12.8278

■ 93.6123, 107.1258,  
142.4380

■ 2.7044, 3.7111,  
7.1808

■ 120.1147,  
136.5476, 178.8449

■ 0.9994, 1.5133,  
3.4952

151.1992,  
170.9162, 220.9802

■ 0.0000, 0.2981,  
1.3527

187.2310,

■ 0.0000, 0.0000,

210.6162, 269.2624

0.1044

228.5756,  
256.0317, 324.1102

■ 0.0000, 0.0000,  
0.0000

■ 26.1162, 31.2193,  
45.7237

■ 26.1162, 31.2193,  
45.7237

■ 23.6155, 28.9401,  
45.4161

■ 29.0665, 33.7633,  
46.0598

■ 21.5346, 26.9081,  
45.1336

■ 32.4882, 36.5816,  
46.4234

■ 19.8445, 25.1086,  
44.8753

■ 36.4050, 39.6873,  
46.8165

■ 18.5111, 23.5237,  
44.6397

■ 40.8381, 43.0917,  
47.2399

■ 17.4942, 22.1325,  
44.4248

■ 45.8076, 46.8054,  
47.6948

■ 16.7671, 20.9957,  
44.2436

■ 51.3323, 50.8383,  
48.1821

■ 57.4301, 55.2000,  
48.7026

■ 64.1182, 59.8996,  
49.2572

■ 68.6365, 63.5144,  
49.7168

# Harmonies

## Analogous

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



24.8937, 31.2193, 38.0028



26.1162, 31.2193, 45.7237



28.3308, 31.2193, 50.6325

# Triad

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



26.1162, 31.2193, 45.7237



35.0236, 31.2193, 38.0471



28.3448, 31.2193, 21.4594

# Complementary

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



26.1162, 31.2193, 45.7237



27.1201, 23.6629, 16.2355

# 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.



31.0569, 31.2193, 21.4675



26.1162, 31.2193, 45.7237



35.0279, 31.2193, 30.2748

# Square

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



26.1162, 31.2193, 45.7237



33.5275, 31.2193, 45.7604



33.5389, 31.2193, 24.4619



26.1259, 31.2193, 24.4378



# Rectangle

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



26.1162, 31.2193, 45.7237



30.1244, 31.2193, 51.2367



33.5389, 31.2193, 24.4619



29.2261, 31.2193, 21.1296

# Sweetspot

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



26.1172, 31.2205, 45.7244



65.0486, 71.2151, 84.8128



24.6009, 35.3407, 23.1679



13.8955, 15.2753, 18.3604



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.



26.1172, 31.2205, 45.7244



43.2698, 52.8999, 82.4254



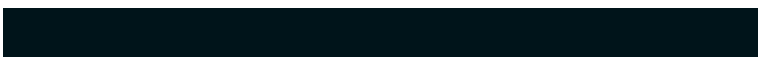
20.8040, 20.5942, 43.9534



8.5793, 9.3048, 10.8502



12.3470, 15.4944, 32.4769



0.4281, 0.5668, 1.0351



# Inverse Universe

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



29.2008, 21.6696, 35.9027



49.8001, 33.8577, 61.3600



32.2253, 33.8732, 17.9372



8.7676, 8.6138, 10.2746



16.4668, 8.1043, 18.1502



0.5381, 0.2630, 0.6765



# Previews

## White Background



This preview shows how the XYZ color 26.1162, 31.2193, 45.7237 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

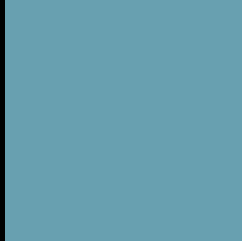
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 26.1162, 31.2193, 45.7237 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

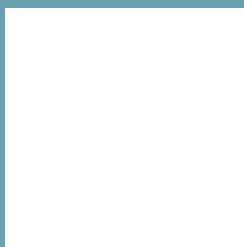
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 26.1162, 31.2193, 45.7237**

## **Background**



This preview shows how black text looks on a background with the XYZ color 26.1162, 31.2193, 45.7237.



This preview shows how white text looks on a background with the XYZ color 26.1162, 31.2193,



# 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

26.1162, 31.2193, 45.7237

### Protanopia

30.2805, 30.9732, 41.9186

### Deuteranopia

31.5193, 30.7975, 46.9311



## Tritanopia

25.7071, 31.0423, 44.1720

# Trichromacy



## Original Color

26.1162, 31.2193, 45.7237

## Protanomaly

28.5177, 30.9953, 43.5094

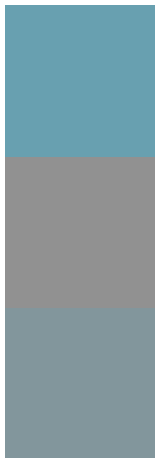
## Deuteranomaly

29.2558, 30.8217, 46.5267

## Tritanomaly

25.8043, 31.0812, 44.6836

# Monochromacy



## Original Color

26.1162, 31.2193, 45.7237

## Achromatopsia

26.9133, 28.3149, 30.8349

## Achromatomaly

26.1130, 28.9588, 35.6658

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 26.1162, 31.2193, 45.7237 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(104, 160, 176)` looks like.

```
.text, #text, p{  
    color:rgb(104, 160, 176)  
}
```

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(104, 160, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 160, 176) }
```

## Border

The CSS property to change the border of an element to XYZ 26.1162, 31.2193, 45.7237 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(104, 160, 176) }
```



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

```
.border{ border-color:rgb(104, 160, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 160, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 160, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 160, 176);  
box-shadow:4px 4px 4px 4px rgb(104, 160,  
176) }
```

# Background

The CSS property to change the background color of an element to XYZ 26.1162, 31.2193, 45.7237 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 160, 176) }
```

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

```
.background{ background-color: rgb(104,  
160, 176) }
```

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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