

Converting Colors

XYZ(25.7678, 30.3944, 69.8214)

Have a look what the booklet for
XYZ(25.7678, 30.3944, 69.8214)
contains.

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Color

**XYZ(25.8945, 30.5634,
70.1802)**

Conversions

Conversions Part 1

Format	Color
Hex	26A0D9
RGB	38, 160, 217
RGB Percent	15%, 63%, 85%
CMY	0.8509, 0.3725, 0.1490
CMYK	0.82, 0.26, 0.00, 0.15
HSL	199°, 70%, 50%
HSV	199°, 82%, 85%
XYZ	25.8945, 30.5634, 70.1802
YIQ	130.0200, -91.0090, -8.1370

Conversions

Conversions Part 2

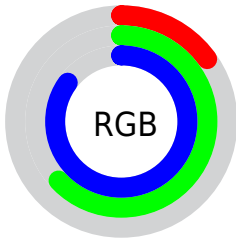
Format	Color
R_{YB}	38, 111, 217
Decimal	2531545
CIE _{Lab}	62.14, -12.66, -38.04
CIE _{LCh}	62, 40.095, 251.589
Yxy	30.5634, 0.2045, 0.2413
Android (android.graphics.Color)	4280721625 (0xFF26A0D9)
YUV	130.0200, 42.8811, -80.7015
Hunter-Lab	55.2842, -13.1399, -36.5665

Details

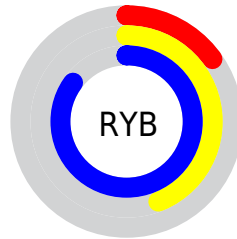
The XYZ color **25.8945, 30.5634, 70.1802** is a dark color, and the websafe version is hex **3399CC**. The color can be described as middle washed azure. A complement of this color would be **33.0594, 23.0794, 4.5475**, and the grayscale version is **21.1036, 22.2026, 24.1787**.

A 20% lighter version of the original color is **49.2899, 59.3983, 103.4749**, and **11.9902, 13.5459, 36.1651** is the 20% darker color. If you saturate the color by 10%, you get **24.1498, 27.9351, 69.7655**, and if you desaturate by 10%, it is **28.1737, 33.5670, 70.6405**.

Distribution



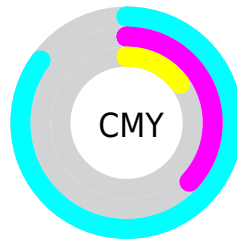
- Red (15%)
- Green (63%)
- Blue (85%)



- Red (15%)
- Yellow (44%)
- Blue (85%)



- Cyan (82%)
- Magenta (26%)
- Yellow (0%)
- Black (15%)



- Cyan (85%)
- Magenta (37%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 25.8945, 30.5634, 70.1802 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 25.8945, 30.5634, 70.1802 by changing the saturation by 10% instead.

■ 25.8945, 30.5634,
70.1802

■ 25.8945, 30.5634,
70.1802

274.5300,
304.5218, 479.9887

■ 16.8770, 20.2666,
51.1957

■ 52.5372, 60.5520,
121.1492

■ 10.2416, 12.5890,
35.9866

■ 70.8931, 81.0127,
153.9709

■ 5.6229, 7.1461,
24.1342

■ 93.0926, 105.6300,
192.2420

■ 2.6556, 3.5537,
15.2201

■ 119.5009,
134.7886, 236.3811

■ 0.9744, 1.4272,
8.8257

■ 150.4834,
168.8726, 286.8068

■ 0.0000, 0.2366,
4.5324

186.4056,

■ 0.0000, 0.0000,

208.2666, 343.9376

1.9217

227.6326,
253.3548, 408.1921

■ 0.0000, 0.0000,
0.5065

■ 0.0000, 0.0000,
0.0000

■ 25.8945, 30.5634,
70.1802

■ 25.8945, 30.5634,
70.1802

■ 24.1498, 27.9351,
69.7655

■ 28.1737, 33.5670,
70.6405

■ 23.0979, 26.1566,
69.4776

■ 31.0556, 36.9814,
71.1476

■ 34.6013, 40.8399,
71.7055

■ 38.8627, 45.1707,
72.3168

■ 43.8864, 49.9994,
72.9841

■ 49.7148, 55.3493,
73.7095

■ 56.3870, 61.2418,
74.4952

■ 63.9395, 67.6973,
75.3432

■ 72.4066, 74.7346,
76.2553

Harmonies

Analogous

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



21.9604, 30.5634, 57.1536



25.8945, 30.5634, 70.1802



31.1839, 30.5634, 71.6961

Triad

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



25.8945, 30.5634, 70.1802



40.4442, 30.5634, 27.6594



22.6929, 30.5634, 15.6351

Complementary

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



25.8945, 30.5634, 70.1802



33.0594, 23.0794, 4.5475

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.



27.0149, 30.5634, 11.8329



25.8945, 30.5634, 70.1802



37.5206, 30.5634, 17.1955

Square

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



25.8945, 30.5634, 70.1802



40.0471, 30.5634, 43.5725



32.4511, 30.5634, 12.2982



20.2759, 30.5634, 24.7484

Rectangle

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



25.8945, 30.5634, 70.1802



34.8300, 30.5634, 65.5473



32.4511, 30.5634, 12.2982



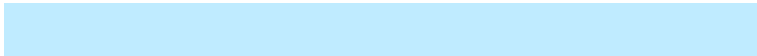
23.9470, 30.5634, 13.8426

Sweetspot

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



25.8956, 30.5644, 70.1810



69.2208, 77.5728, 105.9325



27.6648, 50.8593, 19.1128



14.1745, 16.0159, 22.5943



0.0000, 0.0000, 0.0000



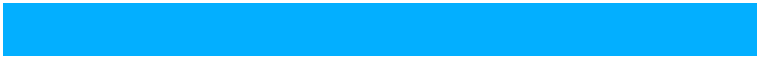
20.3446, 21.4041, 23.3091

Same Dimension

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



25.8956, 30.5644, 70.1810



33.3350, 37.7427, 100.1359



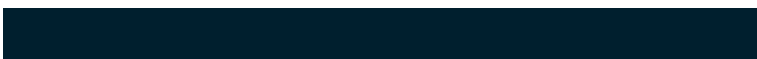
15.5670, 9.9072, 66.7381



13.0770, 14.0938, 16.6833



14.0811, 16.0317, 42.0907



0.9886, 1.1913, 2.7523

Inverse Universe

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



35.6545, 18.6773, 34.9844



48.9668, 24.3950, 42.4820



46.1451, 49.2508, 8.9095



13.4287, 13.2006, 15.5190



20.6028, 10.2422, 18.0864



1.3733, 0.6789, 1.3746

Previews

White Background



This preview shows how the XYZ color 25.8945, 30.5634, 70.1802 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 25.8945, 30.5634, 70.1802 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

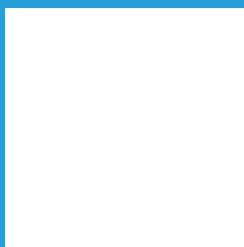
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 25.8945, 30.5634, 70.1802

Background



This preview shows how black text looks on a background with the XYZ color 25.8945, 30.5634, 70.1802.

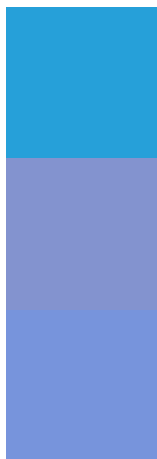


This preview shows how white text looks on a background with the XYZ color 25.8945, 30.5634,

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

25.8945, 30.5634, 70.1802

Protanopia

31.0563, 30.1977, 63.2234

Deuteranopia

31.1159, 30.2691, 71.9127



Tritanopia

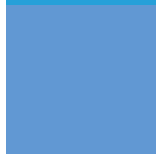
21.7729, 30.5271, 47.3926

Trichromacy



Original Color

25.8945, 30.5634, 70.1802



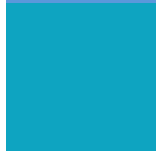
Protanomaly

27.9159, 29.7010, 65.8896



Deuteranomaly

28.2309, 29.7446, 71.2712



Tritanomaly

23.0822, 30.4945, 55.1216

Monochromacy



Original Color

25.8945, 30.5634, 70.1802



Achromatopsia

21.2178, 22.3228, 24.3095



Achromatomaly

20.9762, 24.1998, 37.7479

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.8945, 30.5634, 70.1802 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(38, 160, 217)` looks like.

```
.text, #text, p{  
    color:rgb(38, 160, 217)  
}
```

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(38, 160, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(38, 160, 217) }
```

Border

The CSS property to change the border of an element to XYZ 25.8945, 30.5634, 70.1802 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(38, 160, 217) }
```


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

```
.border{ border-color:rgb(38, 160, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(38, 160, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(38, 160, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(38, 160, 217);  
box-shadow:4px 4px 4px 4px rgb(38, 160,  
217) }
```

Background

The CSS property to change the background color of an element to XYZ 25.8945, 30.5634, 70.1802 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(38, 160, 217) }
```

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

```
.background{ background-color: rgb(38, 160,  
217) }
```

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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