

Converting Colors

XYZ(25.2290, 27.1276, 73.7195)

Have a look what the booklet for
XYZ(25.2290, 27.1276, 73.7195)
contains.

XYZ(25.2744, 27.2113, 73.7322)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(25.2744, 27.2113,
73.7322)**

Conversions

Conversions Part 1

Format	Color
Hex	3394DF
RGB	51, 148, 223
RGB Percent	20%, 58%, 87%
CMY	0.7999, 0.4196, 0.1255
CMYK	0.77, 0.34, 0.00, 0.13
HSL	206°, 73%, 54%
HSV	206°, 77%, 87%
XYZ	25.2744, 27.2113, 73.7322
YIQ	127.5470, -81.8870, 2.7610

Conversions

Conversions Part 2

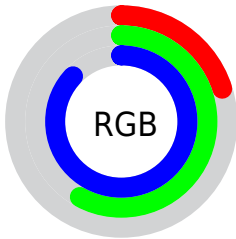
Format	Color
R _Y B	51, 113, 223
Decimal	3380447
CIE Lab	59.17, -2.48, -46.03
CIE LCh	59, 46.093, 266.917
Yxy	27.2113, 0.2002, 0.2156
Android (android.graphics.Color)	4281570527 (0xFF3394DF)
YUV	127.5470, 47.0583, -67.1317
Hunter-Lab	52.1645, -4.8021, -47.2887

Details

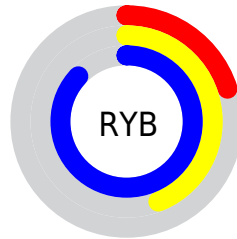
The XYZ color **25.2744, 27.2113, 73.7322** is a dark color, and the websafe version is hex **6699CC**. The color can be described as middle muted azure. A complement of this color would be **38.4920, 30.8522, 7.0599**, and the grayscale version is **20.2258, 21.2791, 23.1730**.

A 20% lighter version of the original color is **47.0557, 53.5260, 102.4592**, and **11.3427, 11.5254, 38.1860** is the 20% darker color. If you saturate the color by 10%, you get **22.9463, 23.8414, 73.2050**, and if you desaturate by 10%, it is **28.2710, 31.1168, 74.3287**.

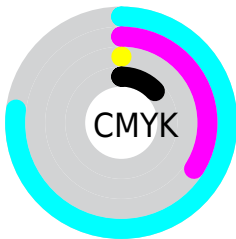
Distribution



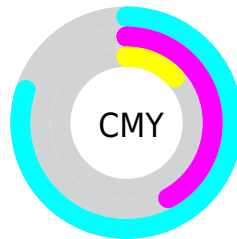
- Red (20%)
- Green (58%)
- Blue (87%)



- Red (20%)
- Yellow (44%)
- Blue (87%)



- Cyan (77%)
- Magenta (34%)
- Yellow (0%)
- Black (13%)



- Cyan (80%)
- Magenta (42%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 25.2744, 27.2113, 73.7322 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 25.2744, 27.2113, 73.7322 by changing the saturation by 10% instead.

■ 25.2744, 27.2113,
73.7322

■ 25.2744, 27.2113,
73.7322

271.5242,
288.6787, 492.6872

■ 16.4114, 17.7320,
54.0794

■ 51.5417, 55.2228,
126.2466

■ 9.9084, 10.7577,
38.2716

■ 69.6768, 74.5237,
159.9454

■ 5.4001, 5.9042,
25.8901

■ 91.6333, 97.8672,
199.1632

■ 2.5210, 2.7869,
16.5164

■ 117.7765,
125.6379, 244.3186

■ 0.9059, 1.0215,
9.7320

■ 148.4719,
158.2199, 295.8302

■ 0.0000, 0.0000,
5.1183

184.0847,

■ 0.0000, 0.0000,

195.9978, 354.1165

2.2569

224.9804,
239.3560, 419.5960

■ 0.0000, 0.0000,
0.7069

■ 0.0000, 0.0000,
0.0000

■ 25.2744, 27.2113,
73.7322

■ 25.2744, 27.2113,
73.7322

■ 22.9463, 23.8414,
73.2050

■ 28.2710, 31.1168,
74.3287

■ 21.1911, 20.9520,
72.7398

■ 32.0041, 35.5964,
74.9966

■ 20.7490, 20.1871,
72.6155

■ 36.5356, 40.6867,
75.7403

■ 41.9197, 46.4198,
76.5631

■ 48.2053, 52.8250,
77.4681

■ 55.4374, 59.9295,
78.4583

■ 63.6580, 67.7587,
79.5362

■ 72.9061, 76.3366,
80.7045

■ 83.2189, 85.6859,
81.9655

Harmonies

Analogous

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



20.2941, 27.2113, 64.7926



25.2744, 27.2113, 73.7322



31.1891, 27.2113, 67.6995

Triad

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



25.2744, 27.2113, 73.7322



37.0070, 27.2113, 17.4981



17.6736, 27.2113, 15.5060

Complementary

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



25.2744, 27.2113, 73.7322



38.4920, 30.8522, 7.0599

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.



21.1815, 27.2113, 9.4350



25.2744, 27.2113, 73.7322



32.3687, 27.2113, 10.2503

Square

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



25.2744, 27.2113, 73.7322



38.5254, 27.2113, 31.3614



26.4617, 27.2113, 7.9454



16.3331, 27.2113, 27.9606

Rectangle

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



25.2744, 27.2113, 73.7322



34.7920, 27.2113, 56.8917



26.4617, 27.2113, 7.9454



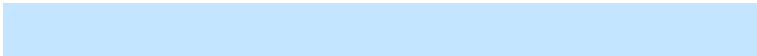
18.6104, 27.2113, 12.8564

Sweetspot

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



25.2754, 27.2122, 73.7329



69.0429, 75.2764, 105.4986



31.4902, 54.9745, 28.5353



14.0438, 15.3838, 22.4791



0.0000, 0.0000, 0.0000



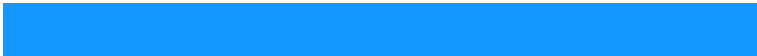
20.3446, 21.4041, 23.3091

Same Dimension

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



25.2754, 27.2122, 73.7329



29.4576, 29.6691, 98.7819



16.4341, 9.5295, 70.7858



13.5902, 14.5194, 17.4739



12.3145, 12.0985, 42.7346



0.9422, 1.0159, 2.9917

Inverse Universe

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



36.9615, 20.1951, 29.9675



47.0874, 23.9412, 31.6671



54.4569, 62.7820, 12.3815



14.0293, 13.8294, 15.9247



20.1560, 10.1294, 12.7531



1.4418, 0.7200, 1.1195

Previews

White Background



This preview shows how the XYZ color 25.2744, 27.2113, 73.7322 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 25.2744, 27.2113, 73.7322 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

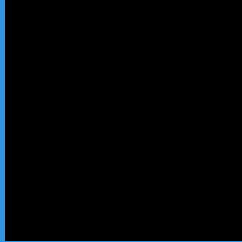
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

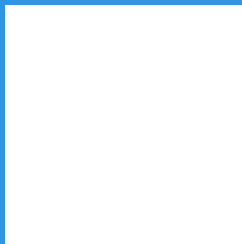
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 25.2744, 27.2113, 73.7322

Background



This preview shows how black text looks on a background with the XYZ color 25.2744, 27.2113, 73.7322.

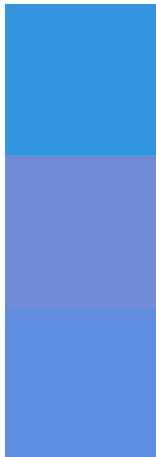


This preview shows how white text looks on a background with the XYZ color 25.2744, 27.2113,

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

25.2744, 27.2113, 73.7322

Protanopia

28.5686, 27.0164, 67.9989

Deuteranopia

27.9829, 27.2151, 75.0124



Tritanopia

19.2184, 26.9785, 41.7306

Trichromacy



Original Color

25.2744, 27.2113, 73.7322

Protanomaly

26.7415, 26.6833, 70.0706

Deuteranomaly

26.6523, 26.9906, 74.3260

Tritanomaly

21.0095, 26.9238, 52.2336

Monochromacy



Original Color

25.2744, 27.2113, 73.7322

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

20.5304, 22.6816, 37.9463

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.2744, 27.2113, 73.7322 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(51, 148, 223)` looks like.

```
.text, #text, p{  
    color:rgb(51, 148, 223)  
}
```

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(51, 148, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 148, 223) }
```

Border

The CSS property to change the border of an element to XYZ 25.2744, 27.2113, 73.7322 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(51, 148, 223) }
```


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

```
.border{ border-color:rgb(51, 148, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 148, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 148, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 148, 223);  
box-shadow:4px 4px 4px 4px rgb(51, 148,  
223) }
```

Background

The CSS property to change the background color of an element to XYZ 25.2744, 27.2113, 73.7322 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 148, 223) }
```

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

```
.background{ background-color: rgb(51, 148,  
223) }
```

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