

Converting Colors

XYZ(22.8229, 26.9846, 61.7672)

Have a look what the booklet for
XYZ(22.8229, 26.9846, 61.7672)
contains.

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Color

**XYZ(22.7792, 26.8983,
61.7489)**

Conversions

Conversions Part 1

Format	Color
Hex	2397CD
RGB	35, 151, 205
RGB Percent	14%, 59%, 80%
CMY	0.8627, 0.4078, 0.1961
CMYK	0.83, 0.26, 0.00, 0.20
HSL	199°, 71%, 47%
HSV	199°, 83%, 80%
XYZ	22.7792, 26.8983, 61.7489
YIQ	122.4720, -86.4700, -7.7980

Conversions

Conversions Part 2

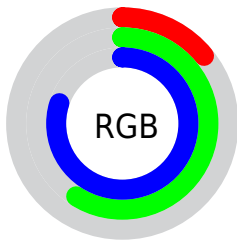
Format	Color
R_{YB}	35, 104, 205
Decimal	2332621
CIE _{Lab}	58.88, -12.18, -36.44
CIE _{LCh}	59, 38.425, 251.517
Yxy	26.8983, 0.2044, 0.2414
Android (android.graphics.Color)	4280522701 (0xFF2397CD)
YUV	122.4720, 40.6863, -76.7129
Hunter-Lab	51.8636, -12.3616, -34.2863

Details

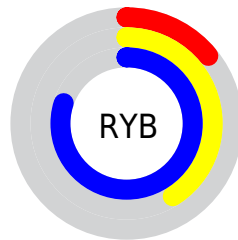
The XYZ color **22.7792, 26.8983, 61.7489** is a dark color, and the websafe version is hex **3399CC**. The color can be described as dark muted azure. A complement of this color would be **29.0545, 20.2483, 3.9685**, and the grayscale version is **18.5463, 19.5121, 21.2487**.

A 20% lighter version of the original color is **46.3117, 54.1976, 102.6280**, and **10.0622, 11.3164, 30.5081** is the 20% darker color. If you saturate the color by 10%, you get **21.2563, 24.6004, 61.3862**, and if you desaturate by 10%, it is **24.7677, 29.5230, 62.1513**.

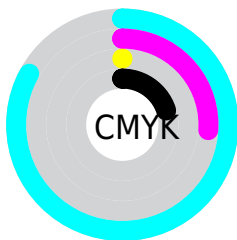
Distribution



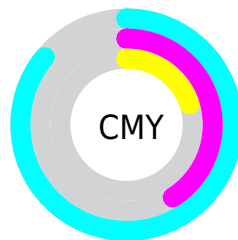
- Red (14%)
- Green (59%)
- Blue (80%)



- Red (14%)
- Yellow (41%)
- Blue (80%)



- Cyan (83%)
- Magenta (26%)
- Yellow (0%)
- Black (20%)



- Cyan (86%)
- Magenta (41%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.7792, 26.8983, 61.7489 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 22.7792, 26.8983, 61.7489 by changing the saturation by 10% instead.

■ 22.7792, 26.8983,
61.7489

■ 22.7792, 26.8983,
61.7489

259.1455,
287.1644, 448.9969

■ 14.5504, 17.4969,
44.3954

■ 47.4998, 54.7206,
108.9306

■ 8.5887, 10.5894,
30.6420

■ 64.7224, 73.9103,
139.5959

■ 4.5288, 5.7914,
20.0702

■ 85.6735, 97.1315,
175.5354

■ 2.0054, 2.7187,
12.2615

■ 110.7185,
124.7687, 217.1678

■ 0.6370, 0.9867,
6.7973

■ 140.2229,
157.2061, 264.9117

■ 0.0000, 0.0000,
3.2592

174.5520,

■ 0.0000, 0.0000,

194.8283, 319.1854

1.2284

214.0710,
238.0196, 380.4077

■ 0.0000, 0.0000,
0.0020

■ 0.0000, 0.0000,
0.0000

■ 22.7792, 26.8983,
61.7489

■ 22.7792, 26.8983,
61.7489

■ 21.2563, 24.6004,
61.3862

■ 24.7677, 29.5230,
62.1513

■ 20.3797, 23.1282,
61.1482

■ 27.2817, 32.5054,
62.5944

■ 30.3740, 35.8747,
63.0818

■ 34.0903, 39.6554,
63.6157

■ 38.4712, 43.8700,
64.1983

■ 43.5536, 48.5385,
64.8315

■ 49.3717, 53.6799,
65.5173

■ 55.9573, 59.3118,
66.2572

■ 63.3404, 65.4507,
67.0530

Harmonies

Analogous

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



19.3205, 26.8983, 50.2659



22.7792, 26.8983, 61.7489



27.4328, 26.8983, 63.1109

Triad

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



22.7792, 26.8983, 61.7489



35.5975, 26.8983, 24.3705



19.9786, 26.8983, 13.7467

Complementary

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



22.7792, 26.8983, 61.7489



29.0545, 20.2483, 3.9685

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.



23.7859, 26.8983, 10.4101



22.7792, 26.8983, 61.7489



33.0305, 26.8983, 15.1487

Square

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



22.7792, 26.8983, 61.7489



35.2406, 26.8983, 38.3847



28.5714, 26.8983, 10.8282



17.8470, 26.8983, 21.7551

Rectangle

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



22.7792, 26.8983, 61.7489



30.6425, 26.8983, 57.7151



28.5714, 26.8983, 10.8282



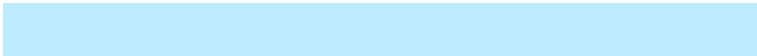
21.0837, 26.8983, 12.1727

Sweetspot

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



22.7802, 26.8992, 61.7496



69.2351, 77.6014, 105.9372



24.3220, 44.7394, 16.7709



14.1779, 16.0228, 22.5954



0.0000, 0.0000, 0.0000



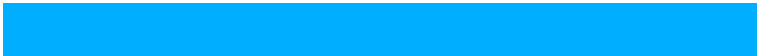
20.3446, 21.4041, 23.3091

Same Dimension

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



22.7802, 26.8992, 61.7496



33.1847, 37.4894, 100.0949



13.6721, 8.6831, 58.7136



11.2311, 12.1026, 14.3145



12.7758, 14.5756, 38.0963



0.7255, 0.8847, 1.9875

Inverse Universe

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



31.3647, 16.4168, 30.7945



48.8793, 24.3157, 42.1581



40.5854, 43.3100, 7.8121



11.5300, 11.3407, 13.3255



18.6595, 9.2744, 16.4577



0.9961, 0.4919, 1.0255

Previews

White Background



This preview shows how the XYZ color 22.7792, 26.8983, 61.7489 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 22.7792, 26.8983, 61.7489 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 22.7792, 26.8983, 61.7489

Background



This preview shows how black text looks on a background with the XYZ color 22.7792, 26.8983, 61.7489.

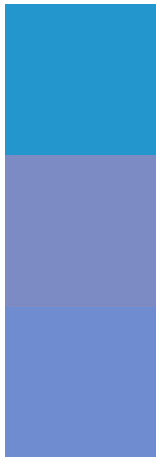


This preview shows how white text looks on a background with the XYZ color 22.7792, 26.8983,

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

22.7792, 26.8983, 61.7489

Protanopia

27.3951, 26.6905, 55.3377

Deuteranopia

27.4453, 26.7550, 63.3922



Tritanopia

19.0499, 26.6415, 41.6744

Trichromacy



Original Color

22.7792, 26.8983, 61.7489

Protanomaly

24.5449, 26.0438, 57.7661

Deuteranomaly

24.8919, 26.3363, 62.8030

Tritanomaly

20.1651, 26.5742, 48.3225

Monochromacy



Original Color

22.7792, 26.8983, 61.7489

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

18.2715, 21.2157, 32.8378

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.7792, 26.8983, 61.7489 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(35, 151, 205)` looks like.

```
.text, #text, p{  
    color:rgb(35, 151, 205)  
}
```

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(35, 151, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(35, 151, 205) }
```

Border

The CSS property to change the border of an element to XYZ 22.7792, 26.8983, 61.7489 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(35, 151, 205) }
```


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

```
.border{ border-color:rgb(35, 151, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(35, 151, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(35, 151, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(35, 151, 205);  
box-shadow:4px 4px 4px 4px rgb(35, 151,  
205) }
```

Background

The CSS property to change the background color of an element to XYZ 22.7792, 26.8983, 61.7489 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(35, 151, 205) }
```

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

```
.background{ background-color: rgb(35, 151,  
205) }
```

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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