

Converting Colors

XYZ(22.0347, 21.2796, 72.7581)

Have a look what the booklet for
XYZ(22.0347, 21.2796, 72.7581)
contains.

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Color

**XYZ(22.0347, 21.2796,
72.7581)**

Conversions

Conversions Part 1

Format	Color
Hex	2B80DF
RGB	43, 128, 223
RGB Percent	17%, 50%, 87%
CMY	0.8313, 0.4980, 0.1255
CMYK	0.81, 0.43, 0.00, 0.13
HSL	212°, 74%, 52%
HSV	212°, 81%, 87%
XYZ	22.0347, 21.2796, 72.7581
YIQ	113.4150, -81.1550, 11.5250

Conversions

Conversions Part 2

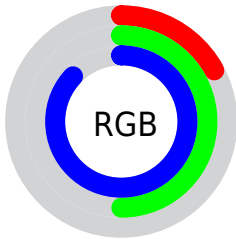
Format	Color
RYB	43, 101, 223
Decimal	2851039
CIELab	53.25, 8.65, -55.45
CIELCh	53, 56.118, 278.864
Yxy	21.2796, 0.1898, 0.1833
Android (android.graphics.Color)	4281041119 (0xFF2B80DF)
YUV	113.4150, 54.0254, -61.7540
Hunter-Lab	46.1298, 4.5364, -61.2241

Details

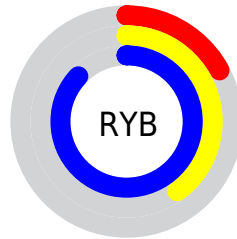
The XYZ color **22.0347, 21.2796, 72.7581** is a dark color, and the websafe version is hex **3399FF**. The color can be described as dark washed azure. A complement of this color would be **39.9589, 34.0444, 6.7523**, and the grayscale version is **15.6826, 16.4993, 17.9678**.

A 20% lighter version of the original color is **41.7074, 43.6444, 100.8337**, and **9.8437, 8.5273, 37.6863** is the 20% darker color. If you saturate the color by 10%, you get **19.8946, 18.0280, 72.2438**, and if you desaturate by 10%, it is **24.8651, 25.1518, 73.3568**.

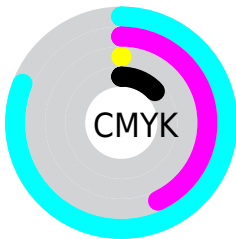
Distribution



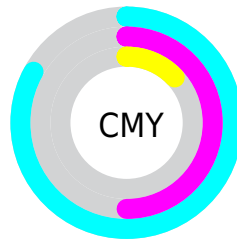
- Red (17%)
- Green (50%)
- Blue (87%)



- Red (17%)
- Yellow (40%)
- Blue (87%)



- Cyan (81%)
- Magenta (43%)
- Yellow (0%)
- Black (13%)



- Cyan (83%)
- Magenta (50%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.0347, 21.2796, 72.7581 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 22.0347, 21.2796, 72.7581 by changing the saturation by 10% instead.

■ 22.0347, 21.2796,
72.7581

■ 22.0347, 21.2796,
72.7581

255.3564,
258.7607, 489.2243

■ 13.9991, 13.3285,
53.2876

■ 46.2818, 45.5524,
124.8515

■ 8.2018, 7.6552,
37.6431

■ 63.2240, 62.6429,
158.3114

■ 4.2772, 3.8751,
25.4061

■ 83.8658, 83.5487,
197.2715

■ 1.8601, 1.6039,
16.1581

■ 108.5726,
108.6542, 242.1504

■ 0.5535, 0.3603,
9.4805

■ 137.7097,
138.3437, 293.3666

■ 0.0000, 0.0000,
4.9549

171.6424,

■ 0.0000, 0.0000,

173.0017, 351.3386

2.1625

210.7362,
213.0126, 416.4850

■ 0.0000, 0.0000,
0.6526

■ 0.0000, 0.0000,
0.0000

■ 22.0347, 21.2796,
72.7581

■ 22.0347, 21.2796,
72.7581

■ 19.8946, 18.0280,
72.2438

■ 24.8651, 25.1518,
73.3568

■ 18.4011, 15.4912,
71.8328

■ 28.4617, 29.6918,
74.0436

■ 32.8922, 34.9429,
74.8236

■ 38.2152, 40.9430,
75.7012

■ 44.4837, 47.7271,
76.6803

■ 51.7462, 55.3274,
77.7645

■ 60.0478, 63.7741,
78.9573

■ 69.4305, 73.0957,
80.2621

■ 79.9341, 83.3192,
81.6818

Harmonies

Analogous

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



16.3850, 21.2796, 68.9503



22.0347, 21.2796, 72.7581



28.2607, 21.2796, 59.0513

Triad

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



22.0347, 21.2796, 72.7581



30.4711, 21.2796, 8.1221



11.3426, 21.2796, 13.2736

Complementary

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



22.0347, 21.2796, 72.7581



39.9589, 34.0444, 6.7523

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.



13.8792, 21.2796, 5.9060



22.0347, 21.2796, 72.7581



24.6239, 21.2796, 4.1046

Square

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



22.0347, 21.2796, 72.7581



33.7195, 21.2796, 18.4918



18.5184, 21.2796, 3.5604



10.9188, 21.2796, 28.5771

Rectangle

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



22.0347, 21.2796, 72.7581



31.6447, 21.2796, 44.4996



18.5184, 21.2796, 3.5604



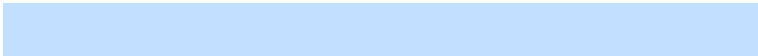
11.9488, 21.2796, 10.0503

Sweetspot

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



22.0356, 21.2802, 72.7587



66.5537, 71.2765, 104.8577



31.8294, 55.0675, 32.2472



13.4920, 14.4671, 22.3313



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.



22.0356, 21.2802, 72.7587



25.4090, 21.7959, 97.4756



15.3113, 7.6379, 70.4798



13.4831, 14.3053, 17.4382



10.9308, 9.3313, 42.2734



0.8468, 0.8250, 2.9599

Inverse Universe

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



35.1925, 18.9756, 22.2301



44.9892, 22.8925, 21.2634



56.3397, 68.1661, 12.4751



13.9753, 13.8078, 15.6401



19.4576, 9.8500, 9.0754



1.3937, 0.7007, 0.8660

Previews

White Background



This preview shows how the XYZ color 22.0347, 21.2796, 72.7581 looks on a white background.

Color Contrast Check

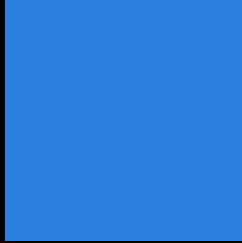
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.0347, 21.2796, 72.7581 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

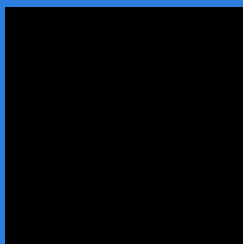
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

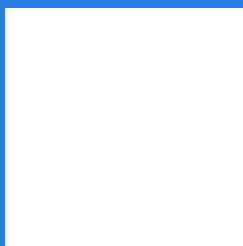
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 22.0347, 21.2796, 72.7581

Background



This preview shows how black text looks on a background with the XYZ color 22.0347, 21.2796, 72.7581.



This preview shows how white text looks on a background with the XYZ color 22.0347, 21.2796,

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

22.0347, 21.2796, 72.7581

Protanopia

23.3940, 21.1127, 69.1718

Deuteranopia

21.9529, 21.2375, 72.7542



Tritanopia

14.9640, 20.9905, 32.5410

Trichromacy



Original Color

22.0347, 21.2796, 72.7581

Protanomaly

22.7061, 21.0997, 70.5861

Deuteranomaly

21.9933, 21.2583, 72.7561

Tritanomaly

16.9537, 20.8928, 44.7341

Monochromacy



Original Color

22.0347, 21.2796, 72.7581

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

16.2527, 17.3315, 32.6257

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.0347, 21.2796, 72.7581 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(43, 128, 223)` looks like.

```
.text, #text, p{  
    color:rgb(43, 128, 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(43, 128, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 128, 223) }
```

Border

The CSS property to change the border of an element to XYZ 22.0347, 21.2796, 72.7581 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(43, 128, 223) }
```


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

```
.border{ border-color:rgb(43, 128, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(43, 128, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 128, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 128, 223);  
box-shadow:4px 4px 4px 4px rgb(43, 128,  
223) }
```

Background

The CSS property to change the background color of an element to XYZ 22.0347, 21.2796, 72.7581 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 128, 223) }
```

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

```
.background{ background-color: rgb(43, 128,  
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](#).

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