

Converting Colors

XYZ(21.7294, 21.1948, 72.1177)

Have a look what the booklet for
XYZ(21.7294, 21.1948, 72.1177)
contains.

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Color

**XYZ(21.6669, 21.1056,
72.0391)**

Conversions

Conversions Part 1

Format	Color
Hex	2580DE
RGB	37, 128, 222
RGB Percent	15%, 50%, 87%
CMY	0.8548, 0.4980, 0.1294
CMYK	0.83, 0.42, 0.00, 0.13
HSL	210°, 74%, 51%
HSV	210°, 83%, 87%
XYZ	21.6669, 21.1056, 72.0391
YIQ	111.5070, -84.4100, 9.9420

Conversions

Conversions Part 2

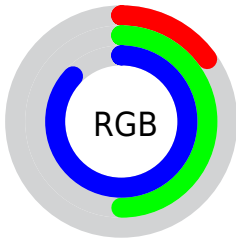
Format	Color
R _Y B	37, 98, 222
Decimal	2457822
CIE Lab	53.06, 7.74, -55.20
CIE LCh	53, 55.737, 277.987
Yxy	21.1056, 0.1887, 0.1838
Android (android.graphics.Color)	4280647902 (0xFF2580DE)
YUV	111.5070, 54.4730, -65.3426
Hunter-Lab	45.9408, 3.7888, -60.8131

Details

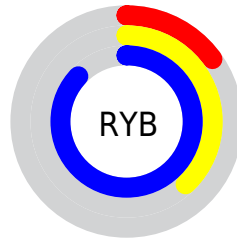
The XYZ color **21.6669, 21.1056, 72.0391** is a dark color, and the websafe version is hex **3399FF**. The color can be described as dark washed azure. A complement of this color would be **38.5772, 31.9006, 5.8759**, and the grayscale version is **15.1226, 15.9101, 17.3261**.

A 20% lighter version of the original color is **41.3107, 43.4399, 100.8152**, and **9.7516, 8.4905, 37.2013** is the 20% darker color. If you saturate the color by 10%, you get **19.7077, 18.0314, 71.5495**, and if you desaturate by 10%, it is **24.2750, 24.7575, 72.6070**.

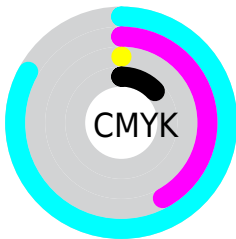
Distribution



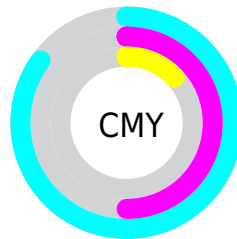
- Red (15%)
- Green (50%)
- Blue (87%)



- Red (15%)
- Yellow (38%)
- Blue (87%)



- Cyan (83%)
- Magenta (42%)
- Yellow (0%)
- Black (13%)



- Cyan (85%)
- Magenta (50%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.6669, 21.1056, 72.0391 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 21.6669, 21.1056, 72.0391 by changing the saturation by 10% instead.

■ 21.6669, 21.1056,
72.0391

■ 21.6669, 21.1056,
72.0391

253.4670,
257.8392, 486.6589

■ 13.7276, 13.2012,
52.7036

■ 45.6778, 45.2632,
123.8204

■ 8.0119, 7.5673,
37.1801

■ 62.4801, 62.2852,
157.1032

■ 4.1544, 3.8193,
25.0501

■ 82.9674, 83.1153,
195.8722

■ 1.7899, 1.5730,
15.8950

■ 107.5051,
108.1377, 240.5459

■ 0.5115, 0.3393,
9.2963

■ 136.4586,
137.7369, 291.5429

■ 0.0000, 0.0000,
4.8355

170.1931,

■ 0.0000, 0.0000,

172.2973, 349.2817

2.0940

209.0741,
212.2032, 414.1808

■ 0.0000, 0.0000,
0.6122

■ 0.0000, 0.0000,
0.0000

■ 21.6669, 21.1056,
72.0391

■ 21.6669, 21.1056,
72.0391

■ 19.7077, 18.0314,
71.5495

■ 24.2750, 24.7575,
72.6070

■ 18.6739, 16.2520,
71.2605

■ 27.6106, 29.0346,
73.2568

■ 31.7424, 33.9800,
73.9936

■ 36.7298, 39.6309,
74.8214

■ 42.6258, 46.0215,
75.7442

■ 49.4790, 53.1832,
76.7653

■ 57.3342, 61.1453,
77.8882

■ 66.2333, 69.9354,
79.1158

■ 76.2155, 79.5797,
80.4512

Harmonies

Analogous

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



16.1263, 21.1056, 67.7582



21.6669, 21.1056, 72.0391



27.8251, 21.1056, 58.9506

Triad

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



21.6669, 21.1056, 72.0391



30.3158, 21.1056, 8.2914



11.3224, 21.1056, 12.8830

Complementary

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



21.6669, 21.1056, 72.0391



38.5772, 31.9006, 5.8759

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.



13.8937, 21.1056, 5.7759



21.6669, 21.1056, 72.0391



24.5869, 21.1056, 4.1679

Square

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



21.6669, 21.1056, 72.0391



33.4154, 21.1056, 18.7820



18.5350, 21.1056, 3.5480



10.8429, 21.1056, 27.7620

Rectangle

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



21.6669, 21.1056, 72.0391



31.2115, 21.1056, 44.6830



18.5350, 21.1056, 3.5480



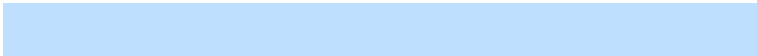
11.9426, 21.1056, 9.7674

Sweetspot

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



21.6678, 21.1062, 72.0397



65.8811, 70.8935, 104.8192



30.8814, 54.2351, 29.7875



13.3765, 14.4201, 22.3283



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.



21.6678, 21.1062, 72.0397



25.4371, 21.9941, 97.5124



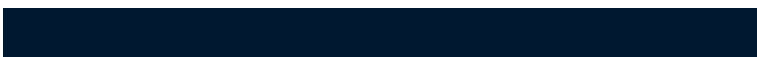
14.6106, 6.9918, 69.6873



13.5059, 14.3510, 17.4459



11.2026, 9.8749, 42.3640



0.8660, 0.8634, 2.9663

Inverse Universe

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



34.6829, 18.4125, 22.1484



44.9686, 22.7515, 21.5648



56.5801, 67.9063, 11.8768



13.9868, 13.8124, 15.7009



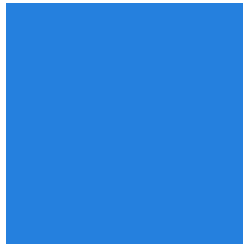
19.5948, 9.9049, 9.7978



1.4034, 0.7046, 0.9170

Previews

White Background



This preview shows how the XYZ color 21.6669, 21.1056, 72.0391 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 21.6669, 21.1056, 72.0391 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

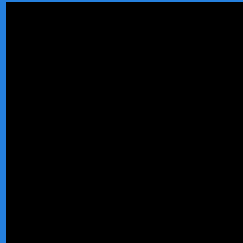
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

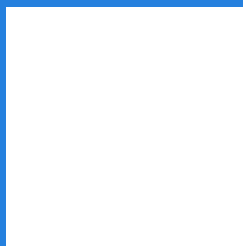
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.6669, 21.1056, 72.0391

Background



This preview shows how black text looks on a background with the XYZ color 21.6669, 21.1056, 72.0391.



This preview shows how white text looks on a background with the XYZ color 21.6669, 21.1056,

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

21.6669, 21.1056, 72.0391

Protanopia

23.2635, 21.0605, 68.4846

Deuteranopia

21.8184, 21.1837, 72.0461



Tritanopia

14.8831, 20.9582, 32.1151

Trichromacy



Original Color

21.6669, 21.1056, 72.0391

Protanomaly

22.4345, 20.9750, 69.8840

Deuteranomaly

21.7791, 21.1634, 72.0443

Tritanomaly

16.8066, 20.8285, 44.2088

Monochromacy



Original Color

21.6669, 21.1056, 72.0391

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

15.8922, 17.1552, 32.1794

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.6669, 21.1056, 72.0391 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(37, 128, 222)` looks like.

```
.text, #text, p{  
    color:rgb(37, 128, 222)  
}
```

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(37, 128, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(37, 128, 222) }
```

Border

The CSS property to change the border of an element to XYZ 21.6669, 21.1056, 72.0391 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(37, 128, 222) }
```


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

```
.border{ border-color:rgb(37, 128, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(37, 128, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(37, 128, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(37, 128, 222);  
box-shadow:4px 4px 4px 4px rgb(37, 128,  
222) }
```

Background

The CSS property to change the background color of an element to XYZ 21.6669, 21.1056, 72.0391 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(37, 128, 222) }
```

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

```
.background{ background-color: rgb(37, 128,  
222) }
```

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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