

Converting Colors

XYZ(21.1541, 20.4221, 72.8784)

Have a look what the booklet for
XYZ(21.1541, 20.4221, 72.8784)
contains.

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Color

**XYZ(21.1110, 20.4200,
72.6408)**

Conversions

Conversions Part 1

Format	Color
Hex	167EDF
RGB	22, 126, 223
RGB Percent	9%, 49%, 87%
CMY	0.9136, 0.5059, 0.1255
CMYK	0.90, 0.43, 0.00, 0.13
HSL	209°, 82%, 48%
HSV	209°, 90%, 87%
XYZ	21.1110, 20.4200, 72.6408
YIQ	105.9620, -93.1210, 8.1190

Conversions

Conversions Part 2

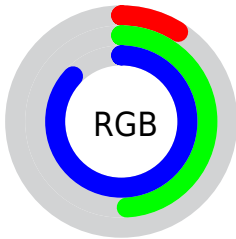
Format	Color
R _Y B	22, 91, 223
Decimal	1474271
CIE Lab	52.31, 8.37, -56.98
CIE LCh	52, 57.595, 278.355
Yxy	20.4200, 0.1849, 0.1789
Android (android.graphics.Color)	4279664351 (0xFF167EDF)
YUV	105.9620, 57.6997, -73.6347
Hunter-Lab	45.1885, 4.3111, -63.6771

Details

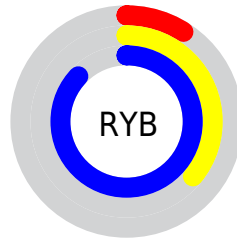
The XYZ color **21.1110, 20.4200, 72.6408** is a dark color, and the websafe version is hex **3399FF**. The color can be described as dark washed azure. A complement of this color would be **37.1772, 28.9471, 4.3885**, and the grayscale version is **13.5574, 14.2634, 15.5328**.

A 20% lighter version of the original color is **40.1547, 42.2489, 100.6462**, and **9.6994, 8.2388, 37.6382** is the 20% darker color. If you saturate the color by 10%, you get **19.4921, 17.6732, 72.1964**, and if you desaturate by 10%, it is **23.2845, 23.6949, 73.1588**.

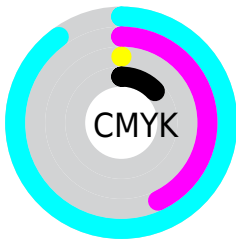
Distribution



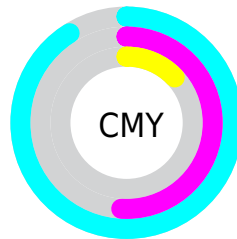
- Red (9%)
- Green (49%)
- Blue (87%)



- Red (9%)
- Yellow (36%)
- Blue (87%)



- Cyan (90%)
- Magenta (43%)
- Yellow (0%)
- Black (13%)



- Cyan (91%)
- Magenta (51%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.1110, 20.4200, 72.6408 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 21.1110, 20.4200, 72.6408 by changing the saturation by 10% instead.

■ 21.1110, 20.4200,
72.6408

■ 21.1110, 20.4200,
72.6408

250.5884,
254.1798, 488.8063

■ 13.3181, 12.7007,
53.1923

■ 44.7621, 44.1202,
124.6833

■ 7.7265, 7.2228,
37.5675

■ 61.3510, 60.8700,
158.1144

■ 3.9707, 3.6018,
25.3480

■ 81.6025, 81.3986,
197.0434

■ 1.6856, 1.4534,
16.1151

■ 105.8822,
106.0906, 241.8889

■ 0.4472, 0.2556,
9.4504

■ 134.5552,
135.3304, 293.0694

■ 0.0000, 0.0000,
4.9353

167.9870,

■ 0.0000, 0.0000,

169.5022, 351.0034

2.1513

206.5430,
208.9906, 416.1095

■ 0.0000, 0.0000,
0.6460

■ 0.0000, 0.0000,
0.0000

■ 21.1110, 20.4200,
72.6408

■ 21.1110, 20.4200,
72.6408

■ 19.4921, 17.6732,
72.1964

■ 23.2845, 23.6949,
73.1588

■ 26.1248, 27.5399,
73.7513

■ 29.7091, 32.0012,
74.4235

■ 34.1021, 37.1184,
75.1797

■ 39.3608, 42.9265,
76.0236

■ 45.5366, 49.4579,
76.9588

■ 52.6766, 56.7422,
77.9885

■ 60.8246, 64.8073,
79.1158

■ 70.0213, 73.6795,
80.3435

Harmonies

Analogous

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



15.5032, 20.4200, 68.4229



21.1110, 20.4200, 72.6408



27.3688, 20.4200, 58.8772

Triad

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



21.1110, 20.4200, 72.6408



29.7804, 20.4200, 7.5138



10.6302, 20.4200, 12.2418

Complementary

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



21.1110, 20.4200, 72.6408



37.1772, 28.9471, 4.3885

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.



13.1641, 20.4200, 5.2099



21.1110, 20.4200, 72.6408



23.9203, 20.4200, 3.6081

Square

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



21.1110, 20.4200, 72.6408



32.9991, 20.4200, 17.8231



17.8003, 20.4200, 3.0574



10.1800, 20.4200, 27.3182

Rectangle

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



21.1110, 20.4200, 72.6408



30.8091, 20.4200, 44.1147



17.8003, 20.4200, 3.0574



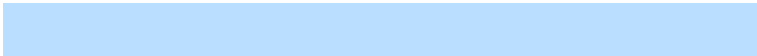
11.2374, 20.4200, 9.1353

Sweetspot

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



21.1119, 20.4206, 72.6414



64.3961, 69.7978, 104.6860



29.8612, 54.2033, 25.3556



13.1083, 14.2418, 22.3080



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.



21.1119, 20.4206, 72.6414



26.2907, 23.7014, 97.7969



14.0837, 6.3642, 70.2986



13.5356, 14.4104, 17.4558



11.5748, 10.6192, 42.4880



0.8919, 0.9152, 2.9749

Inverse Universe

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



34.4851, 17.7695, 21.3512



45.3995, 22.9238, 23.8337



55.2100, 65.0126, 10.3994



14.0018, 13.8184, 15.7798



19.7826, 9.9801, 10.7871



1.4164, 0.7098, 0.9858

Previews

White Background



This preview shows how the XYZ color 21.1110, 20.4200, 72.6408 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 21.1110, 20.4200, 72.6408 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

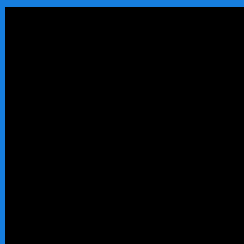
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

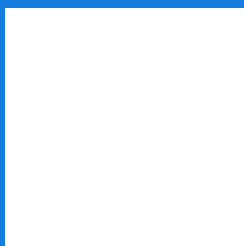
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.1110, 20.4200, 72.6408

Background



This preview shows how black text looks on a background with the XYZ color 21.1110, 20.4200, 72.6408.



This preview shows how white text looks on a background with the XYZ color 21.1110, 20.4200,

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

21.1110, 20.4200, 72.6408

Protanopia

22.7167, 20.3990, 69.0698

Deuteranopia

21.0487, 20.3879, 72.6379



Tritanopia

14.3549, 20.2835, 30.7623

Trichromacy



Original Color

21.1110, 20.4200, 72.6408

Protanomaly

21.7461, 20.2328, 70.4693

Deuteranomaly

21.0686, 20.3981, 72.6388

Tritanomaly

16.3631, 20.1970, 43.5934

Monochromacy



Original Color

21.1110, 20.4200, 72.6408

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

14.2316, 15.4760, 30.6709

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.1110, 20.4200, 72.6408 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(22, 126, 223)` looks like.

```
.text, #text, p{  
    color:rgb(22, 126, 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(22, 126, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(22, 126, 223) }
```

Border

The CSS property to change the border of an element to XYZ 21.1110, 20.4200, 72.6408 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(22, 126, 223) }
```


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

```
.border{ border-color:rgb(22, 126, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(22, 126, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(22, 126, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(22, 126, 223);  
box-shadow:4px 4px 4px 4px rgb(22, 126,  
223) }
```

Background

The CSS property to change the background color of an element to XYZ 21.1110, 20.4200, 72.6408 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(22, 126, 223) }
```

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

```
.background{ background-color: rgb(22, 126,  
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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