

Converting Colors

XYZ(21.7809, 21.7704, 73.2942)

Have a look what the booklet for
XYZ(21.7809, 21.7704, 73.2942)
contains.

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Color

**XYZ(21.8020, 21.7336,
73.5669)**

Conversions

Conversions Part 1

Format	Color
Hex	1183E0
RGB	17, 131, 224
RGB Percent	7%, 51%, 88%
CMY	0.9332, 0.4863, 0.1216
CMYK	0.92, 0.42, 0.00, 0.12
HSL	207°, 86%, 47%
HSV	207°, 92%, 88%
XYZ	21.8020, 21.7336, 73.5669
YIQ	107.5160, -97.7970, 4.7550

Conversions

Conversions Part 2

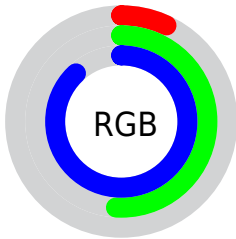
Format	Color
R_{YB}	17, 91, 224
Decimal	1147872
CIE _{Lab}	53.74, 5.45, -55.25
CIE _{LCh}	54, 55.519, 275.638
Yxy	21.7336, 0.1862, 0.1856
Android (android.graphics.Color)	4279337952 (0xFF1183E0)
YUV	107.5160, 57.4266, -79.3825
Hunter-Lab	46.6193, 1.8936, -60.9282

Details

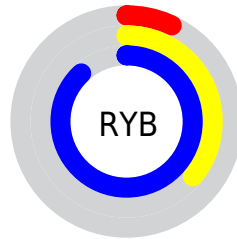
The XYZ color **21.8020, 21.7336, 73.5669** is a dark color, and the websafe version is hex **3399FF**. The color can be described as dark washed azure. A complement of this color would be **36.4222, 27.0481, 3.8330**, and the grayscale version is **13.9866, 14.7150, 16.0247**.

A 20% lighter version of the original color is **41.0469, 44.2128, 100.9783**, and **10.1611, 9.0137, 38.2500** is the 20% darker color. If you saturate the color by 10%, you get **20.5804, 19.6334, 73.2264**, and if you desaturate by 10%, it is **23.8427, 24.8912, 74.0693**.

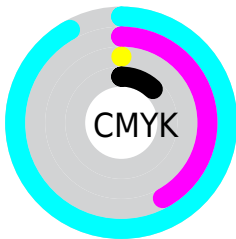
Distribution



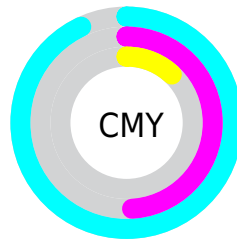
- Red (7%)
- Green (51%)
- Blue (88%)



- Red (7%)
- Yellow (36%)
- Blue (88%)



- Cyan (92%)
- Magenta (42%)
- Yellow (0%)
- Black (12%)



- Cyan (93%)
- Magenta (49%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.8020, 21.7336, 73.5669 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 21.8020, 21.7336, 73.5669 by changing the saturation by 10% instead.

■ 21.8020, 21.7336,
73.5669

■ 21.8020, 21.7336,
73.5669

254.1624,
261.1519, 492.1006

■ 13.8273, 13.6613,
53.9450

■ 45.8998, 46.3053,
126.0100

■ 8.0815, 7.8855,
38.1648

■ 62.7536, 63.5735,
159.6683

■ 4.1994, 4.0217,
25.8078

■ 83.2978, 84.6757,
198.8425

■ 1.8156, 1.6857,
16.4554

■ 107.8978,
109.9964, 243.9511

■ 0.5270, 0.4144,
9.6892

■ 136.9189,
139.9200, 295.4127

■ 0.0000, 0.0000,
5.0905

170.7264,

■ 0.0000, 0.0000,

174.8309, 353.6458

2.2408

209.6858,
215.1134, 419.0689

■ 0.0000, 0.0000,
0.6977

■ 0.0000, 0.0000,
0.0000

■ 21.8020, 21.7336,
73.5669

■ 21.8020, 21.7336,
73.5669

■ 20.5804, 19.6334,
73.2264

■ 23.8427, 24.8912,
74.0693

■ 26.5190, 28.5766,
74.6396

■ 29.9117, 32.8366,
75.2831

■ 34.0874, 37.7108,
76.0038

■ 39.1047, 43.2338,
76.8054

■ 45.0158, 49.4372,
77.6912

■ 51.8685, 56.3503,
78.6644

■ 59.7070, 64.0000,
79.7278

■ 68.5725, 72.4118,
80.8842

Harmonies

Analogous

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



16.2865, 21.7336, 67.8428



21.8020, 21.7336, 73.5669



28.0690, 21.7336, 61.5498

Triad

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



21.8020, 21.7336, 73.5669



31.4248, 21.7336, 9.2430



11.8868, 21.7336, 12.5548

Complementary

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



21.8020, 21.7336, 73.5669



36.4222, 27.0481, 3.8330

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.



14.6804, 21.7336, 5.7708



21.8020, 21.7336, 73.5669



25.7471, 21.7336, 4.6029

Square

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



21.8020, 21.7336, 73.5669



34.2684, 21.7336, 20.5880



19.5531, 21.7336, 3.7371



11.2325, 21.7336, 27.0325

Rectangle

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



21.8020, 21.7336, 73.5669



31.6184, 21.7336, 47.4049



19.5531, 21.7336, 3.7371



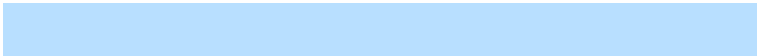
12.5765, 21.7336, 9.5660

Sweetspot

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



21.8029, 21.7342, 73.5675



64.0867, 70.0915, 104.7590



29.5269, 54.4869, 22.7942



12.8978, 14.1666, 22.3046



0.0000, 0.0000, 0.0000



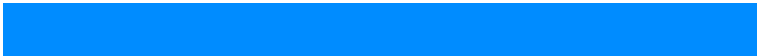
20.3446, 21.4041, 23.3091

Same Dimension

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



21.8029, 21.7342, 73.5675



27.4887, 26.0974, 98.1962



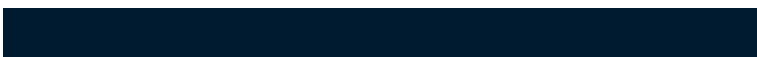
14.1722, 6.4728, 71.0239



13.5746, 14.4883, 17.4687



12.0957, 11.6609, 42.6616



0.9274, 0.9863, 2.9867

Inverse Universe

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



35.0385, 17.8882, 23.0791



46.0042, 23.1657, 27.0181



53.9390, 62.0816, 9.6720



14.0215, 13.8262, 15.8833



20.0455, 10.0852, 12.1715



1.4344, 0.7170, 1.0803

Previews

White Background



This preview shows how the XYZ color 21.8020, 21.7336, 73.5669 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 21.8020, 21.7336, 73.5669 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

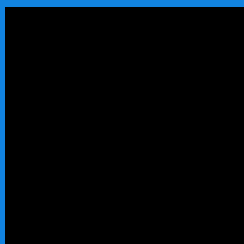
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

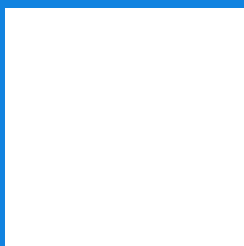
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.8020, 21.7336, 73.5669

Background



This preview shows how black text looks on a background with the XYZ color 21.8020, 21.7336, 73.5669.



This preview shows how white text looks on a background with the XYZ color 21.8020, 21.7336,

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

21.8020, 21.7336, 73.5669

Protanopia

23.9190, 21.7554, 69.2682

Deuteranopia

22.3435, 21.6178, 73.5160



Tritanopia

15.3405, 21.6130, 33.0690

Trichromacy



Original Color

21.8020, 21.7336, 73.5669

Protanomaly

22.4942, 21.3702, 70.6494

Deuteranomaly

22.0969, 21.6872, 73.5424

Tritanomaly

17.1995, 21.4300, 45.3494

Monochromacy



Original Color

21.8020, 21.7336, 73.5669

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

14.6521, 16.1886, 31.2066

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.8020, 21.7336, 73.5669 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(17, 131, 224)` looks like.

```
.text, #text, p{  
    color:rgb(17, 131, 224)  
}
```

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(17, 131, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(17, 131, 224) }
```

Border

The CSS property to change the border of an element to XYZ 21.8020, 21.7336, 73.5669 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(17, 131, 224) }
```


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

```
.border{ border-color:rgb(17, 131, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(17, 131, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(17, 131, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(17, 131, 224);  
box-shadow:4px 4px 4px 4px rgb(17, 131,  
224) }
```

Background

The CSS property to change the background color of an element to XYZ 21.8020, 21.7336, 73.5669 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(17, 131, 224) }
```

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

```
.background{ background-color: rgb(17, 131,  
224) }
```

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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