

Converting Colors

XYZ(21.9864, 22.3354, 72.1551)

Have a look what the booklet for
XYZ(21.9864, 22.3354, 72.1551)
contains.

XYZ(21.9490, 22.2432, 72.2438)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(21.9490, 22.2432,
72.2438)**

Conversions

Conversions Part 1

Format	Color
Hex	1885DE
RGB	24, 133, 222
RGB Percent	9%, 52%, 87%
CMY	0.9058, 0.4784, 0.1294
CMYK	0.89, 0.40, 0.00, 0.13
HSL	207°, 80%, 48%
HSV	207°, 89%, 87%
XYZ	21.9490, 22.2432, 72.2438
YIQ	110.5550, -93.5330, 4.5710

Conversions

Conversions Part 2

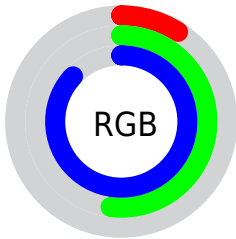
Format	Color
R_{YB}	24, 94, 222
Decimal	1607134
CIE _{Lab}	54.28, 3.81, -53.26
CIE _{LCh}	54, 53.396, 274.091
Yxy	22.2432, 0.1885, 0.1910
Android (android.graphics.Color)	4279797214 (0xFF1885DE)
YUV	110.5550, 54.9424, -75.9087
Hunter-Lab	47.1627, 0.5372, -57.8065

Details

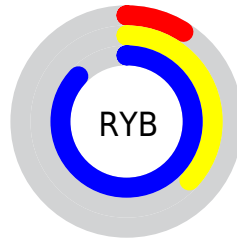
The XYZ color **21.9490, 22.2432, 72.2438** is a dark color, and the websafe version is hex **0099FF**. The color can be described as dark washed azure. A complement of this color would be **36.1976, 27.4118, 4.2488**, and the grayscale version is **14.8491, 15.6224, 17.0128**.

A 20% lighter version of the original color is **41.9156, 45.5890, 101.1981**, and **10.0533, 9.0938, 37.3018** is the 20% darker color. If you saturate the color by 10%, you get **20.2934, 19.4569, 71.7938**, and if you desaturate by 10%, it is **24.1415, 25.4994, 72.7573**.

Distribution



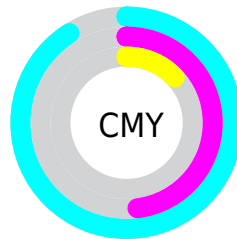
- Red (9%)
- Green (52%)
- Blue (87%)



- Red (9%)
- Yellow (37%)
- Blue (87%)



- Cyan (89%)
- Magenta (40%)
- Yellow (0%)
- Black (13%)



- Cyan (91%)
- Magenta (48%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.9490, 22.2432, 72.2438 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 21.9490, 22.2432, 72.2438 by changing the saturation by 10% instead.

■ 21.9490, 22.2432,
72.2438

■ 21.9490, 22.2432,
72.2438

254.9172,
263.8137, 487.3901

■ 13.9358, 14.0357,
52.8698

■ 46.1412, 47.1476,
124.1140

■ 8.1574, 8.1455,
37.3118

■ 63.0509, 64.6133,
157.4473

■ 4.2485, 4.1882,
25.1513

■ 83.6568, 85.9339,
196.2708

■ 1.8437, 1.7794,
15.9698

■ 108.3243,
111.4938, 241.0031

■ 0.5438, 0.4743,
9.3487

■ 137.4187,
141.6773, 292.0626

■ 0.0000, 0.0000,
4.8694

171.3055,

■ 0.0000, 0.0000,

176.8689, 349.8679

2.1134

210.3498,
217.4529, 414.8375

■ 0.0000, 0.0000,
0.6237

■ 0.0000, 0.0000,
0.0000

■ 21.9490, 22.2432,
72.2438

■ 21.9490, 22.2432,
72.2438

■ 20.2934, 19.4569,
71.7938

■ 24.1415, 25.4994,
72.7573

■ 20.1691, 19.2422,
71.7589

■ 26.9836, 29.2881,
73.3388

■ 30.5494, 33.6528,
73.9933

■ 34.9012, 38.6302,
74.7247

■ 40.0941, 44.2534,
75.5364

■ 46.1776, 50.5525,
76.4316

■ 53.1974, 57.5552,
77.4132

■ 61.1957, 65.2874,
78.4842

■ 70.2119, 73.7738,
79.6470

Harmonies

Analogous

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



16.6235, 22.2432, 65.9376



21.9490, 22.2432, 72.2438



28.0466, 22.2432, 61.5842

Triad

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



21.9490, 22.2432, 72.2438



31.8162, 22.2432, 10.3415



12.5962, 22.2432, 12.7506

Complementary

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



21.9490, 22.2432, 72.2438



36.1976, 27.4118, 4.2488

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.



15.4744, 22.2432, 6.2039



21.9490, 22.2432, 72.2438



26.4119, 22.2432, 5.3276

Square

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



21.9490, 22.2432, 72.2438



34.3669, 22.2432, 22.0063



20.3540, 22.2432, 4.2645



11.8366, 22.2432, 26.5754

Rectangle

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



21.9490, 22.2432, 72.2438



31.5497, 22.2432, 48.2666



20.3540, 22.2432, 4.2645



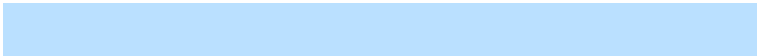
13.3183, 22.2432, 9.8767

Sweetspot

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



21.9499, 22.2439, 72.2444



65.0048, 71.0153, 104.8889



29.3032, 53.5592, 23.4927



13.2515, 14.5283, 22.3558



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.



21.9499, 22.2439, 72.2444



27.4814, 26.0829, 98.1938



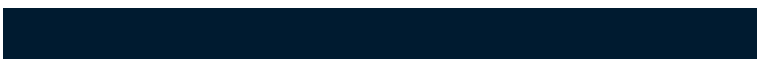
14.2308, 6.8056, 69.6714



13.5743, 14.4878, 17.4687



12.0925, 11.6546, 42.6606



0.9272, 0.9859, 2.9867

Inverse Universe

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



34.6853, 17.8776, 23.8133



46.0006, 23.1642, 26.9988



53.0416, 61.0998, 9.8634



14.0214, 13.8262, 15.8827



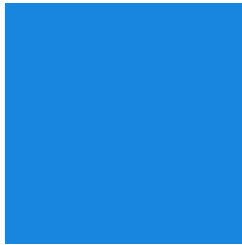
20.0439, 10.0846, 12.1631



1.4343, 0.7170, 1.0798

Previews

White Background



This preview shows how the XYZ color 21.9490, 22.2432, 72.2438 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 21.9490, 22.2432, 72.2438 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

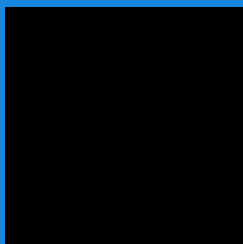
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

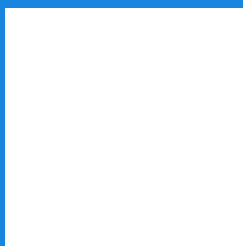
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.9490, 22.2432, 72.2438

Background



This preview shows how black text looks on a background with the XYZ color 21.9490, 22.2432, 72.2438.



This preview shows how white text looks on a background with the XYZ color 21.9490, 22.2432,

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

21.9490, 22.2432, 72.2438

Protanopia

24.1402, 22.1033, 67.2840

Deuteranopia

22.9328, 22.1337, 72.8756



Tritanopia

15.6552, 21.9780, 33.9889

Trichromacy



Original Color

21.9490, 22.2432, 72.2438

Protanomaly

22.8199, 21.9558, 69.3648

Deuteranomaly

22.4743, 22.0958, 72.8924

Tritanomaly

17.4820, 21.7780, 45.9300

Monochromacy



Original Color

21.9490, 22.2432, 72.2438

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

15.4072, 17.0903, 31.7649

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.9490, 22.2432, 72.2438 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(24, 133, 222)` looks like.

```
.text, #text, p{  
    color:rgb(24, 133, 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(24, 133, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(24, 133, 222) }
```

Border

The CSS property to change the border of an element to XYZ 21.9490, 22.2432, 72.2438 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(24, 133, 222) }
```


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

```
.border{ border-color:rgb(24, 133, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(24, 133, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(24, 133, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(24, 133, 222);  
box-shadow:4px 4px 4px 4px rgb(24, 133,  
222) }
```

Background

The CSS property to change the background color of an element to XYZ 21.9490, 22.2432, 72.2438 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(24, 133, 222) }
```

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

```
.background{ background-color: rgb(24, 133,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor