

Converting Colors

XYZ(21.5630, 20.9716, 73.5771)

Have a look what the booklet for
XYZ(21.5630, 20.9716, 73.5771)
contains.

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Color

**XYZ(21.5746, 21.0268,
73.4425)**

Conversions

Conversions Part 1

Format	Color
Hex	1980E0
RGB	25, 128, 224
RGB Percent	10%, 50%, 88%
CMY	0.9018, 0.4980, 0.1216
CMYK	0.89, 0.43, 0.00, 0.12
HSL	209°, 80%, 49%
HSV	209°, 89%, 88%
XYZ	21.5746, 21.0268, 73.4425
YIQ	108.1470, -92.2040, 8.0200

Conversions

Conversions Part 2

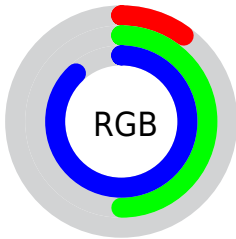
Format	Color
R_YB	25, 93, 224
Decimal	1671392
CIE _{Lab}	52.98, 7.68, -56.47
CIE _{LCh}	53, 56.989, 277.746
Yxy	21.0268, 0.1859, 0.1812
Android (android.graphics.Color)	4279861472 (0xFF1980E0)
YUV	108.1470, 57.1155, -72.9199
Hunter-Lab	45.8550, 3.7373, -62.8619

Details

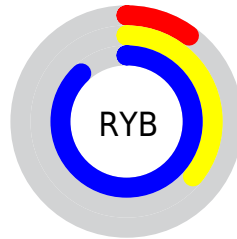
The XYZ color **21.5746, 21.0268, 73.4425** is a dark color, and the websafe version is hex **3399FF**. The color can be described as dark washed azure. A complement of this color would be **37.7573, 29.5994, 4.6445**, and the grayscale version is **14.1611, 14.8985, 16.2245**.

A 20% lighter version of the original color is **40.6779, 43.1137, 100.7856**, and **9.9365, 8.5645, 38.1752** is the 20% darker color. If you saturate the color by 10%, you get **19.8714, 18.1665, 72.9807**, and if you desaturate by 10%, it is **23.8517, 24.4062, 73.9753**.

Distribution



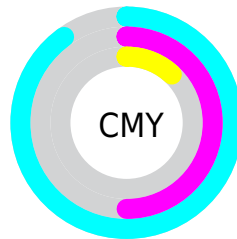
- Red (10%)
- Green (50%)
- Blue (88%)



- Red (10%)
- Yellow (36%)
- Blue (88%)



- Cyan (89%)
- Magenta (43%)
- Yellow (0%)
- Black (12%)



- Cyan (90%)
- Magenta (50%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.5746, 21.0268, 73.4425 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 21.5746, 21.0268, 73.4425 by changing the saturation by 10% instead.

■ 21.5746, 21.0268,
73.4425

■ 21.5746, 21.0268,
73.4425

252.9909,
257.4209, 491.6589

■ 13.6595, 13.1436,
53.8438

■ 45.5260, 45.1321,
125.8319

■ 7.9643, 7.5275,
38.0845

■ 62.2930, 62.1230,
159.4598

■ 4.1238, 3.7941,
25.7459

■ 82.7414, 82.9187,
198.6011

■ 1.7724, 1.5591,
16.4096

■ 107.2365,
107.9034, 243.6745

■ 0.5009, 0.3298,
9.6570

■ 136.1436,
137.4615, 295.0984

■ 0.0000, 0.0000,
5.0695

169.8281,

■ 0.0000, 0.0000,

171.9776, 353.2914

2.2287

208.6555,
211.8359, 418.6720

■ 0.0000, 0.0000,
0.6908

■ 0.0000, 0.0000,
0.0000

■ 21.5746, 21.0268,
73.4425

■ 21.5746, 21.0268,
73.4425

■ 19.8714, 18.1665,
72.9807

■ 23.8517, 24.4062,
73.9753

■ 19.6914, 17.8554,
72.9301

■ 26.8132, 28.3679,
74.5839

■ 30.5355, 32.9576,
75.2736

■ 35.0827, 38.2147,
76.0486

■ 40.5117, 44.1743,
76.9128

■ 46.8739, 50.8686,
77.8696

■ 54.2163, 58.3274,
78.9223

■ 62.5828, 66.5786,
80.0740

■ 72.0143, 75.6484,
81.3276

Harmonies

Analogous

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



15.9414, 21.0268, 68.8620



21.5746, 21.0268, 73.4425



27.8781, 21.0268, 60.0264

Triad

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



21.5746, 21.0268, 73.4425



30.5194, 21.0268, 8.0791



11.1245, 21.0268, 12.5553

Complementary

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



21.5746, 21.0268, 73.4425



37.7573, 29.5994, 4.6445

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.



13.7435, 21.0268, 5.4852



21.5746, 21.0268, 73.4425



24.6612, 21.0268, 3.9458

Square

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



21.5746, 21.0268, 73.4425



33.6723, 21.0268, 18.7390



18.4761, 21.0268, 3.3164



10.6239, 21.0268, 27.6232

Rectangle

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



21.5746, 21.0268, 73.4425



31.3646, 21.0268, 45.3340



18.4761, 21.0268, 3.3164



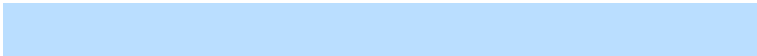
11.7569, 21.0268, 9.4389

Sweetspot

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



21.5755, 21.0274, 73.4431



64.3994, 69.8044, 104.6871



30.3205, 54.8239, 26.0869



13.1090, 14.2433, 22.3083



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.



21.5755, 21.0274, 73.4431



26.2969, 23.7138, 97.7990



14.3637, 6.6037, 71.0391



13.5358, 14.4108, 17.4558



11.5776, 10.6247, 42.4889



0.8920, 0.9156, 2.9749

Inverse Universe

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



34.9853, 18.1024, 22.0725



45.4027, 22.9251, 23.8502



55.8244, 65.7335, 10.6669



14.0019, 13.8184, 15.7804



19.7840, 9.9806, 10.7943



1.4165, 0.7099, 0.9862

Previews

White Background



This preview shows how the XYZ color 21.5746, 21.0268, 73.4425 looks on a white background.

Color Contrast Check

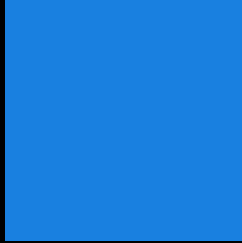
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.5746, 21.0268, 73.4425 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

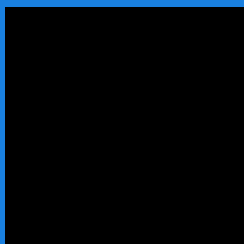
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

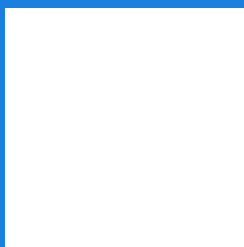
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.5746, 21.0268, 73.4425

Background



This preview shows how black text looks on a background with the XYZ color 21.5746, 21.0268, 73.4425.



This preview shows how white text looks on a background with the XYZ color 21.5746, 21.0268,

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

21.5746, 21.0268, 73.4425

Protanopia

23.2254, 20.8274, 69.8138

Deuteranopia

21.7388, 21.1115, 73.4502



Tritanopia

14.8029, 20.9261, 31.6927

Trichromacy



Original Color

21.5746, 21.0268, 73.4425

Protanomaly

22.1833, 20.6279, 71.2190

Deuteranomaly

21.6804, 21.0814, 73.4474

Tritanomaly

16.7533, 20.8010, 44.2063

Monochromacy



Original Color

21.5746, 21.0268, 73.4425

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

14.7776, 16.0832, 31.1797

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.5746, 21.0268, 73.4425 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(25, 128, 224)` looks like.

```
.text, #text, p{  
    color:rgb(25, 128, 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(25, 128, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(25, 128, 224) }
```

Border

The CSS property to change the border of an element to XYZ 21.5746, 21.0268, 73.4425 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(25, 128, 224) }
```


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

```
.border{ border-color:rgb(25, 128, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(25, 128, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(25, 128, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(25, 128, 224);  
box-shadow:4px 4px 4px 4px rgb(25, 128,  
224) }
```

Background

The CSS property to change the background color of an element to XYZ 21.5746, 21.0268, 73.4425 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(25, 128, 224) }
```

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

```
.background{ background-color: rgb(25, 128,  
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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