

Converting Colors

XYZ(19.0194, 14.6894, 73.6573)

Have a look what the booklet for
XYZ(19.0194, 14.6894, 73.6573)
contains.

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Color

**XYZ(19.0500, 14.7186,
73.7884)**

Conversions

Conversions Part 1

Format	Color
Hex	2A62E2
RGB	42, 98, 226
RGB Percent	16%, 38%, 89%
CMY	0.8352, 0.6157, 0.1137
CMYK	0.81, 0.57, 0.00, 0.11
HSL	222°, 76%, 53%
HSV	222°, 81%, 89%
XYZ	19.0500, 14.7186, 73.7884
YIQ	95.8480, -74.4640, 27.9360

Conversions

Conversions Part 2

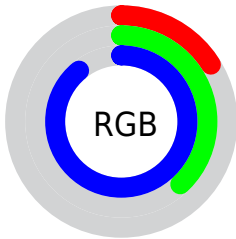
Format	Color
R _Y B	42, 85, 226
Decimal	2777826
CIE Lab	45.25, 28.62, -70.08
CIE LCh	45, 75.694, 292.214
Yxy	14.7186, 0.1771, 0.1368
Android (android.graphics.Color)	4280967906 (0xFF2A62E2)
YUV	95.8480, 64.1649, -47.2247
Hunter-Lab	38.3648, 21.4955, -87.1791

Details

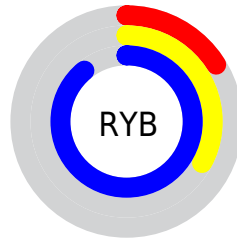
The XYZ color **19.0500, 14.7186, 73.7884** is a dark color, and the websafe version is hex **0066FF**. The color can be described as dark washed azure. A complement of this color would be **46.1606, 45.0925, 8.4630**, and the grayscale version is **10.9455, 11.5155, 12.5404**.

A 20% lighter version of the original color is **36.1111, 32.2514, 98.9296**, and **8.5288, 5.4485, 38.6324** is the 20% darker color. If you saturate the color by 10%, you get **17.0425, 11.7101, 73.3139**, and if you desaturate by 10%, it is **21.8684, 18.5741, 74.3844**.

Distribution



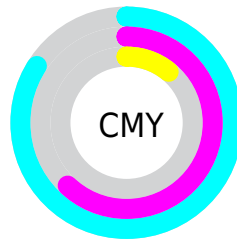
- Red (16%)
- Green (38%)
- Blue (89%)



- Red (16%)
- Yellow (33%)
- Blue (89%)



- Cyan (81%)
- Magenta (57%)
- Yellow (0%)
- Black (11%)



- Cyan (84%)
- Magenta (62%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.0500, 14.7186, 73.7884 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 19.0500, 14.7186, 73.7884 by changing the saturation by 10% instead.

■ 19.0500, 14.7186,
73.7884

■ 19.0500, 14.7186,
73.7884

239.6575,
221.6566, 492.8866

■ 11.8106, 8.6221,
54.1251

■ 41.3348, 34.3588,
126.3271

■ 6.6861, 4.4955,
38.3079

■ 57.1109, 48.6712,
160.0396

■ 3.3112, 1.9544,
25.9180

■ 76.4634, 66.4912,
199.2722

■ 1.3204, 0.5808,
16.5371

■ 99.7574, 88.2030,
244.4435

■ 0.1984, 0.0000,
9.7466

■ 127.3585,
114.1910, 295.9721

■ 0.0000, 0.0000,
5.1278

159.6320,

■ 0.0000, 0.0000,

144.8397, 354.2764

2.2624

196.9432,
180.5334, 419.7751

■ 0.0000, 0.0000,
0.7101

■ 0.0000, 0.0000,
0.0000

■ 19.0500, 14.7186,
73.7884

■ 19.0500, 14.7186,
73.7884

■ 17.0425, 11.7101,
73.3139

■ 21.8684, 18.5741,
74.3844

■ 15.8414, 9.7187,
72.9928

■ 25.5876, 23.3462,
75.1095

■ 30.2867, 29.0971,
75.9719

■ 36.0350, 35.8827,
76.9787

■ 42.8951, 43.7543,
78.1365

■ 50.9245, 52.7596,
79.4515

■ 60.1765, 62.9430,
80.9294

■ 70.7013, 74.3467,
82.5759

■ 82.5458, 87.0108,
84.3960

Harmonies

Analogous

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



12.4218, 14.7186, 80.1634



19.0500, 14.7186, 73.7884



25.8176, 14.7186, 47.7748

Triad

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



19.0500, 14.7186, 73.7884



22.7341, 14.7186, 1.3055



5.1332, 14.7186, 11.7957

Complementary

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



19.0500, 14.7186, 73.7884



46.1606, 45.0925, 8.4630

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.



6.4717, 14.7186, 2.8264



19.0500, 14.7186, 73.7884



15.6841, 14.7186, 0.2108

Square

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



19.0500, 14.7186, 73.7884



28.3490, 14.7186, 6.2088



9.9155, 14.7186, 0.5547



5.5446, 14.7186, 32.9052

Rectangle

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



19.0500, 14.7186, 73.7884



28.8612, 14.7186, 29.0270



9.9155, 14.7186, 0.5547



5.3749, 14.7186, 7.6354

Sweetspot

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



19.0508, 14.7190, 73.7888



63.8959, 65.9610, 103.9718



35.1957, 57.7030, 46.2014



12.8605, 13.2042, 22.1208



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.



19.0508, 14.7190, 73.7888



21.0666, 13.1585, 96.0372



17.5166, 8.6744, 72.7030



13.2904, 13.9200, 17.3740



9.1293, 5.7281, 41.6728



0.7100, 0.5515, 2.9143

Inverse Universe

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



34.3974, 18.7079, 13.3533



42.7858, 21.9669, 9.7970



49.4215, 65.8021, 12.2884



13.8781, 13.7689, 15.1281



18.5482, 9.4863, 4.2868



1.3247, 0.6731, 0.5025

Previews

White Background



This preview shows how the XYZ color 19.0500, 14.7186, 73.7884 looks on a white background.

Color Contrast Check

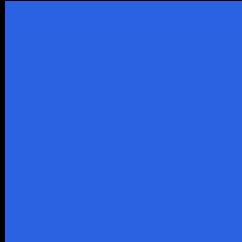
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 19.0500, 14.7186, 73.7884 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

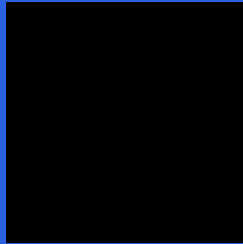
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 19.0500, 14.7186, 73.7884

Background



This preview shows how black text looks on a background with the XYZ color 19.0500, 14.7186, 73.7884.



This preview shows how white text looks on a background with the XYZ color 19.0500, 14.7186,

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

19.0500, 14.7186, 73.7884

Protanopia

17.2758, 14.5125, 67.5363

Deuteranopia

14.4383, 14.5251, 49.0564



Tritanopia

10.2443, 14.4632, 21.9904

Trichromacy



Original Color

19.0500, 14.7186, 73.7884

Protanomaly

17.7689, 14.5762, 69.5871

Deuteranomaly

15.7912, 14.4218, 57.2097

Tritanomaly

12.4030, 14.0791, 36.2462

Monochromacy



Original Color

19.0500, 14.7186, 73.7884

Achromatopsia

11.1181, 11.6971, 12.7381

Achromatomaly

12.2131, 12.0691, 27.6725

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.0500, 14.7186, 73.7884 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(42, 98, 226)` looks like.

```
.text, #text, p{  
    color:rgb(42, 98, 226)  
}
```

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(42, 98, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 98, 226) }
```

Border

The CSS property to change the border of an element to XYZ 19.0500, 14.7186, 73.7884 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(42, 98, 226) }
```


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

```
.border{ border-color:rgb(42, 98, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(42, 98, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 98, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 98, 226);  
box-shadow:4px 4px 4px 4px rgb(42, 98,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 19.0500, 14.7186, 73.7884 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 98, 226) }
```

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

```
.background{ background-color: rgb(42, 98,  
226) }
```

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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