

Converting Colors

XYZ(22.3267, 18.2285, 81.8536)

Have a look what the booklet for
XYZ(22.3267, 18.2285, 81.8536)
contains.

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Color

**XYZ(22.2930, 18.1819,
81.6914)**

Conversions

Conversions Part 1

Format	Color
Hex	356FEC
RGB	53, 111, 236
RGB Percent	21%, 44%, 93%
CMY	0.7921, 0.5647, 0.0745
CMYK	0.78, 0.53, 0.00, 0.07
HSL	221°, 83%, 57%
HSV	221°, 78%, 93%
XYZ	22.2930, 18.1819, 81.6914
YIQ	107.9080, -74.6930, 26.5790

Conversions

Conversions Part 2

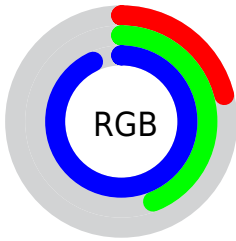
Format	Color
R_{YB}	53, 97, 236
Decimal	3502060
CIE _{Lab}	49.72, 25.09, -68.43
CIE _{LCh}	50, 72.886, 290.138
Yxy	18.1819, 0.1825, 0.1488
Android (android.graphics.Color)	4281692140 (0xFF356FEC)
YUV	107.9080, 63.1494, -48.1543
Hunter-Lab	42.6402, 18.7022, -83.7413

Details

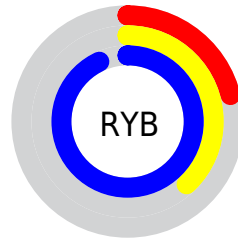
The XYZ color **22.2930, 18.1819, 81.6914** is a dark color, and the websafe version is hex **3366CC**. The color can be described as dark washed azure. A complement of this color would be **51.1589, 49.9375, 10.3126**, and the grayscale version is **14.0735, 14.8064, 16.1242**.

A 20% lighter version of the original color is **39.5745, 37.4963, 99.7594**, and **10.0270, 7.0353, 43.4773** is the 20% darker color. If you saturate the color by 10%, you get **19.7402, 14.4860, 81.1130**, and if you desaturate by 10%, it is **25.7752, 22.8282, 82.4052**.

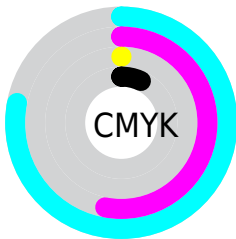
Distribution



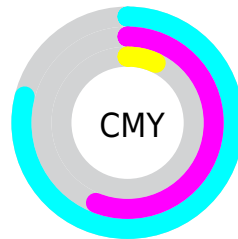
- Red (21%)
- Green (44%)
- Blue (93%)



- Red (21%)
- Yellow (38%)
- Blue (93%)



- Cyan (78%)
- Magenta (53%)
- Yellow (0%)
- Black (7%)



- Cyan (79%)
- Magenta (56%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.2930, 18.1819, 81.6914 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 22.2930, 18.1819, 81.6914 by changing the saturation by 10% instead.

■ 22.2930, 18.1819,
81.6914

■ 22.2930, 18.1819,
81.6914

256.6763,
241.8943, 520.4712

■ 14.1902, 11.0807,
60.5769

■ 46.7050, 40.3470,
137.5740

■ 8.3356, 6.1211,
43.4554

■ 63.7450, 56.1797,
173.1790

■ 4.3641, 2.9189,
29.9086

■ 84.4946, 75.6917,
214.4514

■ 1.9101, 1.0895,
19.5177

■ 109.3193, 99.2673,
261.8096

■ 0.5827, 0.0000,
11.8644

■ 138.5845,
127.2910, 315.6721

■ 0.0000, 0.0000,
6.5300

172.6555,

■ 0.0000, 0.0000,

160.1471, 376.4575

3.0960

211.8976,
198.2201, 444.5844

■ 0.0000, 0.0000,
1.1439

■ 0.0000, 0.0000,
0.0000

■ 22.2930, 18.1819,
81.6914

■ 22.2930, 18.1819,
81.6914

■ 19.7402, 14.4860,
81.1130

■ 25.7752, 22.8282,
82.4052

■ 17.9917, 11.6506,
80.6579

■ 30.2789, 28.4959,
83.2618

■ 17.6419, 11.0591,
80.5622

■ 35.8870, 35.2496,
84.2698

■ 42.6727, 43.1475,
85.4366

■ 50.7023, 52.2435,
86.7691

■ 60.0372, 62.5875,
88.2737

■ 70.7344, 74.2266,
89.9564

■ 82.8476, 87.2055,
91.8232

■ 92.1404, 98.8362,
93.5783

Harmonies

Analogous

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



15.0957, 18.1819, 86.3330



22.2930, 18.1819, 81.6914



29.6767, 18.1819, 55.7680

Triad

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



22.2930, 18.1819, 81.6914



27.3192, 18.1819, 2.5682



7.1887, 18.1819, 13.9479

Complementary

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



22.2930, 18.1819, 81.6914



51.1589, 49.9375, 10.3126

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.



8.9309, 18.1819, 4.0184



22.2930, 18.1819, 81.6914



19.6684, 18.1819, 0.9724

Square

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



22.2930, 18.1819, 81.6914



33.0753, 18.1819, 9.3417



13.0834, 18.1819, 1.2298



7.5388, 18.1819, 36.0785

Rectangle

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



22.2930, 18.1819, 81.6914



33.1092, 18.1819, 35.8211



13.0834, 18.1819, 1.2298



7.5262, 18.1819, 9.4469

Sweetspot

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



22.2939, 18.1824, 81.6919



65.1900, 67.5705, 104.2143



39.2031, 63.8440, 50.8173



13.1186, 13.5333, 22.1707



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.



22.2939, 18.1824, 81.6919



22.2108, 15.1755, 96.3663



20.0270, 10.4662, 80.3220



14.6207, 15.3279, 19.1102



9.8272, 6.3013, 44.4413



0.8553, 0.6621, 3.5176

Inverse Universe

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



38.7354, 21.5283, 17.1528



43.4296, 22.4780, 12.4052



55.9545, 73.2993, 14.5691



15.2621, 15.1327, 16.6656



19.8156, 10.1289, 4.8303



1.5982, 0.8122, 0.6016

Previews

White Background



This preview shows how the XYZ color 22.2930, 18.1819, 81.6914 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 22.2930, 18.1819, 81.6914 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

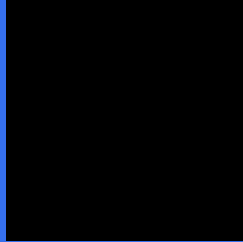
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

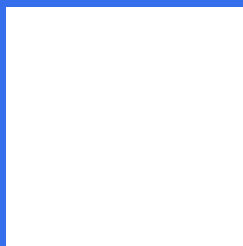
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 22.2930, 18.1819, 81.6914

Background



This preview shows how black text looks on a background with the XYZ color 22.2930, 18.1819, 81.6914.



This preview shows how white text looks on a background with the XYZ color 22.2930, 18.1819,

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

22.2930, 18.1819, 81.6914

Protanopia

21.6911, 18.1655, 83.2520

Deuteranopia

18.1016, 17.9870, 62.1923



Tritanopia

12.6428, 17.8293, 27.2012

Trichromacy



Original Color

22.2930, 18.1819, 81.6914

Protanomaly

21.7399, 18.0428, 82.4576

Deuteranomaly

19.2847, 17.9230, 68.7727

Tritanomaly

14.9915, 17.3604, 42.6051

Monochromacy



Original Color

22.2930, 18.1819, 81.6914

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

15.4095, 15.3785, 33.1665

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.2930, 18.1819, 81.6914 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(53, 111, 236)` looks like.

```
.text, #text, p{  
    color:rgb(53, 111, 236)  
}
```

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(53, 111, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(53, 111, 236) }
```

Border

The CSS property to change the border of an element to XYZ 22.2930, 18.1819, 81.6914 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(53, 111, 236) }
```


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

```
.border{ border-color:rgb(53, 111, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(53, 111, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(53, 111, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(53, 111, 236);  
box-shadow:4px 4px 4px 4px rgb(53, 111,  
236) }
```

Background

The CSS property to change the background color of an element to XYZ 22.2930, 18.1819, 81.6914 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(53, 111, 236) }
```

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

```
.background{ background-color: rgb(53, 111,  
236) }
```

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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