

Converting Colors

XYZ(19.0180, 20.3114, 46.0982)

Have a look what the booklet for
XYZ(19.0180, 20.3114, 46.0982)
contains.

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Color

**XYZ(19.0180, 20.3114,
46.0982)**

Conversions

Conversions Part 1

Format	Color
Hex	4D80B4
RGB	77, 128, 180
RGB Percent	30%, 50%, 71%
CMY	0.6980, 0.4980, 0.2941
CMYK	0.57, 0.29, 0.00, 0.29
HSL	210°, 41%, 50%
HSV	210°, 57%, 71%
XYZ	19.0180, 20.3114, 46.0982
YIQ	118.6790, -47.0880, 5.3600

Conversions

Conversions Part 2

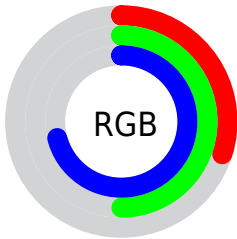
Format	Color
RYB	77, 111, 180
Decimal	5079220
CIELab	52.19, -1.47, -32.61
CIElCh	52, 32.646, 267.427
Yxy	20.3114, 0.2226, 0.2378
Android (android.graphics.Color)	4283269300 (0xFF4D80B4)
YUV	118.6790, 30.2313, -36.5525
Hunter-Lab	45.0682, -3.5453, -29.0973

Details

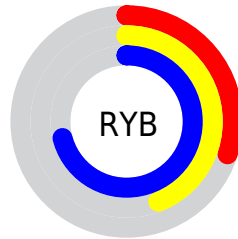
The XYZ color **19.0180, 20.3114, 46.0982** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **28.0132, 25.9411, 10.5529**, and the grayscale version is **17.3523, 18.2560, 19.8808**.

A 20% lighter version of the original color is **41.3371, 44.0904, 85.6885**, and **6.6643, 7.1436, 21.1063** is the 20% darker color. If you saturate the color by 10%, you get **16.6289, 17.3985, 45.6623**, and if you desaturate by 10%, it is **21.9166, 23.6453, 46.5893**.

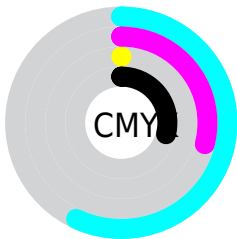
Distribution



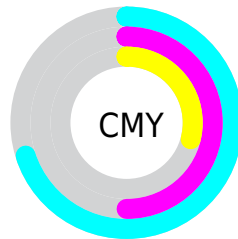
- Red (30%)
- Green (50%)
- Blue (71%)



- Red (30%)
- Yellow (44%)
- Blue (71%)



- Cyan (57%)
- Magenta (29%)
- Yellow (0%)
- Black (29%)



- Cyan (70%)
- Magenta (50%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.0180, 20.3114, 46.0982 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 19.0180, 20.3114, 46.0982 by changing the saturation by 10% instead.

■ 19.0180, 20.3114,
46.0982

■ 19.0180, 20.3114,
46.0982

239.4843,
253.5960, 387.4924

■ 11.7874, 12.6216,
31.9741

■ 41.2811, 43.9387,
85.7018

■ 6.6702, 7.1685,
21.0771

■ 57.0444, 60.6449,
112.0183

■ 3.3012, 3.5677,
12.9885

■ 76.3825, 81.1254,
143.2361

■ 1.3150, 1.4348,
7.2900

■ 99.6609, 105.7646,
179.7737

■ 0.1944, 0.2422,
3.5629

■ 127.2449,
134.9469, 222.0495

■ 0.0000, 0.0000,
1.3888

159.5000,

■ 0.0000, 0.0000,

169.0566, 270.4822

0.1329

196.7913,
208.4781, 325.4903

■ 0.0000, 0.0000,
0.0000

■ 19.0180, 20.3114,
46.0982

■ 19.0180, 20.3114,
46.0982

■ 16.6289, 17.3985,
45.6623

■ 21.9166, 23.6453,
46.5893

■ 14.7102, 14.8813,
45.2775

■ 25.3553, 27.4188,
47.1365

■ 13.2201, 12.7342,
44.9416

■ 29.3648, 31.6520,
47.7422

■ 12.0979, 10.9216,
44.6509

■ 33.9725, 36.3627,
48.4086

■ 11.8210, 10.4607,
44.5765

■ 39.2041, 41.5677,
49.1376

■ 45.0837, 47.2829,
49.9308

■ 51.6340, 53.5234,
50.7901

■ 58.8766, 60.3036,
51.7171

■ 66.8321, 67.6373,
52.7133

Harmonies

Analogous

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



16.0450, 20.3114, 41.5576



19.0180, 20.3114, 46.0982



22.4227, 20.3114, 42.8299

Triad

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



19.0180, 20.3114, 46.0982



25.5967, 20.3114, 14.6687



14.3759, 20.3114, 13.6058

Complementary

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



19.0180, 20.3114, 46.0982



28.0132, 25.9411, 10.5529

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.



16.4913, 20.3114, 9.4623



19.0180, 20.3114, 46.0982



22.9800, 20.3114, 9.9398

Square

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



19.0180, 20.3114, 46.0982



26.4713, 20.3114, 22.9532



19.5956, 20.3114, 8.3443



13.5656, 20.3114, 21.2988

Rectangle

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



19.0180, 20.3114, 46.0982



24.4407, 20.3114, 37.0679



19.5956, 20.3114, 8.3443



14.9450, 20.3114, 11.8465

Sweetspot

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



19.0187, 20.3121, 46.0987



61.5349, 65.8684, 87.7652



23.3120, 35.7927, 26.2762



12.9264, 13.8589, 18.9160



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



19.0187, 20.3121, 46.0987



29.0353, 30.1223, 82.5785



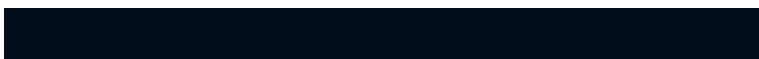
13.9536, 10.1819, 44.4103



8.3779, 8.9019, 10.7830



8.3174, 7.4351, 31.1337



0.3201, 0.3507, 0.9991

Inverse Universe

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



25.3733, 16.5705, 22.2838



42.2330, 24.6191, 32.6088



36.4838, 42.8822, 13.3764



8.6659, 8.5731, 9.7391



14.4329, 7.2907, 7.4394



0.4836, 0.2412, 0.3893

Previews

White Background



This preview shows how the XYZ color 19.0180, 20.3114, 46.0982 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 19.0180, 20.3114, 46.0982 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

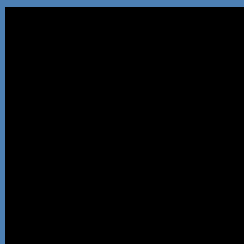
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

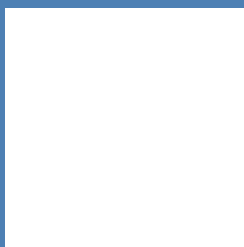
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.0180, 20.3114, 46.0982

Background



This preview shows how black text looks on a background with the XYZ color 19.0180, 20.3114, 46.0982.

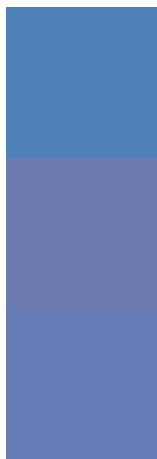


This preview shows how white text looks on a background with the XYZ color 19.0180, 20.3114,

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

19.0180, 20.3114, 46.0982

Protanopia

20.7608, 20.1400, 43.3506

Deuteranopia

20.6790, 20.2114, 46.5274



Tritanopia

15.8247, 20.4290, 29.8972

Trichromacy



Original Color

19.0180, 20.3114, 46.0982

Protanomaly

19.9673, 20.0764, 44.4177

Deuteranomaly

20.0877, 20.2787, 46.5715

Tritanomaly

16.8067, 20.2001, 35.3610

Monochromacy



Original Color

19.0180, 20.3114, 46.0982

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

17.4762, 18.7852, 27.9041

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.0180, 20.3114, 46.0982 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(77, 128, 180)` looks like.

```
.text, #text, p{  
    color:rgb(77, 128, 180)  
}
```

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(77, 128, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 128, 180) }
```

Border

The CSS property to change the border of an element to XYZ 19.0180, 20.3114, 46.0982 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(77, 128, 180) }
```


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

```
.border{ border-color:rgb(77, 128, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 128, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 128, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 128, 180);  
box-shadow:4px 4px 4px 4px rgb(77, 128,  
180) }
```

Background

The CSS property to change the background color of an element to XYZ 19.0180, 20.3114, 46.0982 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 128, 180) }
```

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

```
.background{ background-color: rgb(77, 128,  
180) }
```

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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