

Converting Colors

XYZ(19.1166, 20.6810, 46.8622)

Have a look what the booklet for
XYZ(19.1166, 20.6810, 46.8622)
contains.

XYZ(19.1472, 20.7573, 46.7135)	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(19.1472, 20.7573,
46.7135)**

Conversions

Conversions Part 1

Format	Color
Hex	4A82B5
RGB	74, 130, 181
RGB Percent	29%, 51%, 71%
CMY	0.7098, 0.4902, 0.2902
CMYK	0.59, 0.28, 0.00, 0.29
HSL	209°, 42%, 50%
HSV	209°, 59%, 71%
XYZ	19.1472, 20.7573, 46.7135
YIQ	119.0700, -49.7470, 3.9890

Conversions

Conversions Part 2

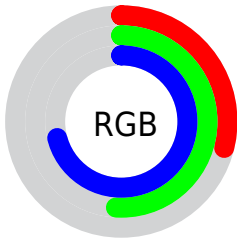
Format	Color
R _Y B	74, 111, 181
Decimal	4883125
CIE Lab	52.68, -2.94, -32.42
CIE LCh	53, 32.557, 264.819
Yxy	20.7573, 0.2211, 0.2396
Android (android.graphics.Color)	4283073205 (0xFF4A82B5)
YUV	119.0700, 30.5315, -39.5264
Hunter-Lab	45.5602, -4.7136, -28.8988

Details

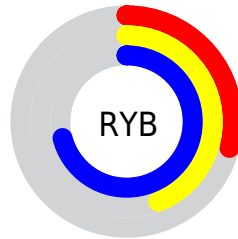
The XYZ color **19.1472, 20.7573, 46.7135** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **27.6268, 24.9869, 9.8465**, and the grayscale version is **17.4752, 18.3853, 20.0216**.

A 20% lighter version of the original color is **41.5796, 44.8067, 86.5778**, and **6.8387, 7.4434, 21.4984** is the 20% darker color. If you saturate the color by 10%, you get **16.8492, 17.9402, 46.2913**, and if you desaturate by 10%, it is **21.9438, 23.9750, 47.1876**.

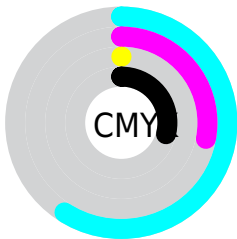
Distribution



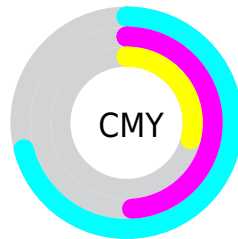
- Red (29%)
- Green (51%)
- Blue (71%)



- Red (29%)
- Yellow (44%)
- Blue (71%)



- Cyan (59%)
- Magenta (28%)
- Yellow (0%)
- Black (29%)



- Cyan (71%)
- Magenta (49%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.1472, 20.7573, 46.7135 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 19.1472, 20.7573, 46.7135 by changing the saturation by 10% instead.

■ 19.1472, 20.7573,
46.7135

■ 19.1472, 20.7573,
46.7135

240.1827,
255.9859, 390.0304

■ 11.8813, 12.9467,
32.4565

■ 41.4976, 44.6833,
86.6313

■ 6.7345, 7.3919,
21.4427

■ 57.3129, 61.5674,
113.1292

■ 3.3415, 3.7084,
13.2536

■ 76.7087, 82.2449,
144.5445

■ 1.3368, 1.5118,
7.4706

■ 100.0503,
107.1001, 181.2957

■ 0.2105, 0.2970,
3.6753

■ 127.7032,
136.5174, 223.8013

■ 0.0000, 0.0000,
1.4489

160.0327,

■ 0.0000, 0.0000,

170.8812, 272.4799

0.1795

197.4041,
210.5759, 327.7501

■ 0.0000, 0.0000,
0.0000

■ 19.1472, 20.7573,
46.7135

■ 19.1472, 20.7573,
46.7135

■ 16.8492, 17.9402,
46.2913

■ 21.9438, 23.9750,
47.1876

■ 15.0097, 15.4985,
45.9169

■ 25.2703, 27.6118,
47.7142

■ 13.5855, 13.4066,
45.5882

■ 29.1578, 31.6872,
48.2960

■ 12.4973, 11.6199,
45.3007

■ 33.6342, 36.2189,
48.9347

■ 12.4082, 11.4715,
45.2768

■ 38.7254, 41.2231,
49.6323

■ 44.4557, 46.7155,
50.3905

■ 50.8480, 52.7108,
51.2107

■ 57.9241, 59.2229,
52.0947

■ 65.7048, 66.2652,
53.0440

Harmonies

Analogous

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



16.2115, 20.7573, 41.5175



19.1472, 20.7573, 46.7135



22.5894, 20.7573, 44.0940

Triad

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



19.1472, 20.7573, 46.7135



26.2463, 20.7573, 15.6448



14.8730, 20.7573, 13.4722

Complementary

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



19.1472, 20.7573, 46.7135



27.6268, 24.9869, 9.8465

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.



17.1212, 20.7573, 9.5525



19.1472, 20.7573, 46.7135



23.7221, 20.7573, 10.5323

Square

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



19.1472, 20.7573, 46.7135



26.9475, 20.7573, 24.3268



20.3229, 20.7573, 8.6554



13.9308, 20.7573, 20.9592

Rectangle

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



19.1472, 20.7573, 46.7135



24.6820, 20.7573, 38.5706



20.3229, 20.7573, 8.6554



15.4877, 20.7573, 11.7893

Sweetspot

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



19.1479, 20.7580, 46.7140



60.9364, 65.5626, 87.7378



22.9827, 35.9578, 24.7771



12.6433, 13.6438, 18.8894



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.



19.1479, 20.7580, 46.7140



29.0796, 30.7166, 82.6908



13.8592, 10.1805, 44.9511



8.3976, 8.9415, 10.7896



8.6237, 8.0478, 31.2359



0.3293, 0.3691, 1.0021

Inverse Universe

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



25.5348, 16.3340, 22.9266



42.1319, 24.1060, 33.5336



36.1006, 41.9345, 12.6711



8.6759, 8.5771, 9.7917



14.5875, 7.3526, 8.2538



0.4882, 0.2430, 0.4137

Previews

White Background



This preview shows how the XYZ color 19.1472, 20.7573, 46.7135 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 19.1472, 20.7573, 46.7135 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

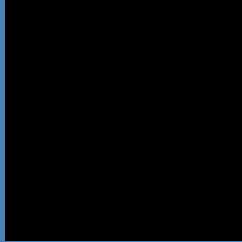
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 19.1472, 20.7573, 46.7135

Background



This preview shows how black text looks on a background with the XYZ color 19.1472, 20.7573, 46.7135.

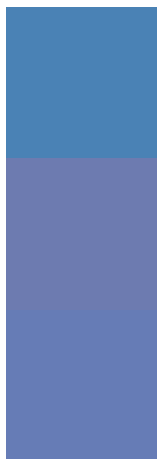


This preview shows how white text looks on a background with the XYZ color 19.1472, 20.7573,

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

19.1472, 20.7573, 46.7135

Protanopia

21.2261, 20.5517, 43.9224

Deuteranopia

21.1306, 20.6175, 47.1218



Tritanopia

15.9341, 20.6756, 30.7547

Trichromacy



Original Color

19.1472, 20.7573, 46.7135

Protanomaly

20.3206, 20.6229, 45.0291

Deuteranomaly

20.3180, 20.5744, 47.1564

Tritanomaly

16.9631, 20.6772, 35.8979

Monochromacy



Original Color

19.1472, 20.7573, 46.7135

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

17.5590, 19.0025, 28.3336

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.1472, 20.7573, 46.7135 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(74, 130, 181)` looks like.

```
.text, #text, p{  
    color:rgb(74, 130, 181)  
}
```

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(74, 130, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 130, 181) }
```

Border

The CSS property to change the border of an element to XYZ 19.1472, 20.7573, 46.7135 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(74, 130, 181) }
```


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

```
.border{ border-color:rgb(74, 130, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 130, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 130, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 130, 181);  
box-shadow:4px 4px 4px 4px rgb(74, 130,  
181) }
```

Background

The CSS property to change the background color of an element to XYZ 19.1472, 20.7573, 46.7135 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 130, 181) }
```

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

```
.background{ background-color: rgb(74, 130,  
181) }
```

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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