

Converting Colors

XYZ(19.2790, 21.3861, 46.3523)

Have a look what the booklet for
XYZ(19.2790, 21.3861, 46.3523)
contains.

XYZ(19.2982, 21.4481, 46.3028)	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(19.2982, 21.4481,
46.3028)**

Conversions

Conversions Part 1

Format	Color
Hex	4885B4
RGB	72, 133, 180
RGB Percent	28%, 52%, 71%
CMY	0.7176, 0.4784, 0.2941
CMYK	0.60, 0.26, 0.00, 0.29
HSL	206°, 43%, 49%
HSV	206°, 60%, 71%
XYZ	19.2982, 21.4481, 46.3028
YIQ	120.1190, -51.4430, 1.6850

Conversions

Conversions Part 2

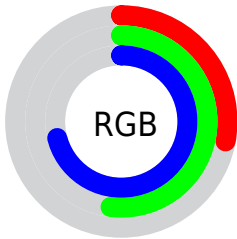
Format	Color
R _Y B	72, 111, 180
Decimal	4752820
CIE Lab	53.44, -5.42, -30.68
CIE LCh	53, 31.156, 259.982
Yxy	21.4481, 0.2217, 0.2464
Android (android.graphics.Color)	4282942900 (0xFF4885B4)
YUV	120.1190, 29.5213, -42.2004
Hunter-Lab	46.3121, -6.6654, -26.8596

Details

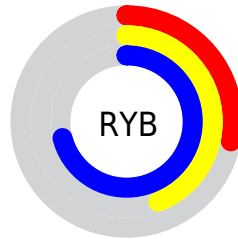
The XYZ color **19.2982, 21.4481, 46.3028** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **26.5896, 23.3657, 9.2403**, and the grayscale version is **17.8117, 18.7393, 20.4071**.

A 20% lighter version of the original color is **41.7525, 45.8411, 86.0045**, and **7.0011, 7.8730, 21.2293** is the 20% darker color. If you saturate the color by 10%, you get **17.1149, 18.7897, 45.9052**, and if you desaturate by 10%, it is **21.9559, 24.4705, 46.7465**.

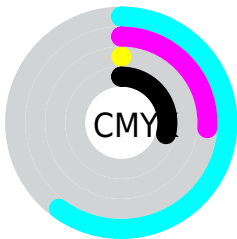
Distribution



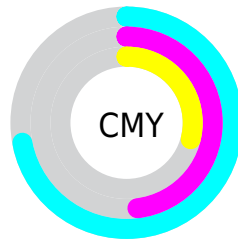
- Red (28%)
- Green (52%)
- Blue (71%)



- Red (28%)
- Yellow (44%)
- Blue (71%)



- Cyan (60%)
- Magenta (26%)
- Yellow (0%)
- Black (29%)



- Cyan (72%)
- Magenta (48%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.2982, 21.4481, 46.3028 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 19.2982, 21.4481, 46.3028 by changing the saturation by 10% instead.

■ 19.2982, 21.4481,
46.3028

■ 19.2982, 21.4481,
46.3028

240.9967,
259.6504, 388.3376

■ 11.9912, 13.4519,
32.1344

■ 41.7504, 45.8321,
86.0110

■ 6.8099, 7.7405,
21.1985

■ 57.6263, 62.9888,
112.3880

■ 3.3887, 3.9293,
13.0766

■ 77.0892, 83.9677,
143.6716

■ 1.3625, 1.6341,
7.3499

■ 100.5045,
109.1533, 180.2803

■ 0.2293, 0.3804,
3.6001

■ 128.2376,
138.9300, 222.6327

■ 0.0000, 0.0000,
1.4087

160.6537,

■ 0.0000, 0.0000,

173.6821, 271.1474

0.1485

198.1183,
213.7941, 326.2428

■ 0.0000, 0.0000,
0.0000

■ 19.2982, 21.4481,
46.3028

■ 19.2982, 21.4481,
46.3028

■ 17.1149, 18.7897,
45.9052

■ 21.9559, 24.4705,
46.7465

■ 15.3664, 16.4713,
45.5498

■ 25.1184, 27.8741,
47.2368

■ 14.0102, 14.4686,
45.2348

■ 28.8161, 31.6772,
47.7760

■ 12.9572, 12.7331,
44.9553

■ 33.0764, 35.8963,
48.3658

■ 12.9570, 12.7327,
44.9552

■ 37.9244, 40.5467,
49.0079

■ 43.3837, 45.6428,
49.7038

■ 49.4766, 51.1982,
50.4550

■ 56.2242, 57.2260,
51.2628

■ 63.6466, 63.7384,
52.1287

Harmonies

Analogous

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



16.5599, 21.4481, 40.2848



19.2982, 21.4481, 46.3028



22.6396, 21.4481, 45.0213

Triad

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



19.2982, 21.4481, 46.3028



26.9734, 21.4481, 17.6604



15.8885, 21.4481, 13.4816

Complementary

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



19.2982, 21.4481, 46.3028



26.5896, 23.3657, 9.2403

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.



18.2867, 21.4481, 10.0673



19.2982, 21.4481, 46.3028



24.7597, 21.4481, 11.9880

Square

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



19.2982, 21.4481, 46.3028



27.3198, 21.4481, 26.6709



21.5135, 21.4481, 9.6068



14.7372, 21.4481, 20.3229

Rectangle

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



19.2982, 21.4481, 46.3028



24.7562, 21.4481, 40.2955



21.5135, 21.4481, 9.6068



16.5626, 21.4481, 11.9832

Sweetspot

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



19.2990, 21.4489, 46.3033



61.3832, 66.4562, 87.8867



22.3122, 35.3479, 23.0376



12.7530, 13.8632, 18.9260



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.



19.2990, 21.4489, 46.3033



29.9243, 32.6443, 83.0184



13.7219, 10.2947, 44.4443



8.4269, 8.9999, 10.7993



9.1109, 9.0222, 31.3982



0.3434, 0.3974, 1.0068

Inverse Universe

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



25.3740, 16.0322, 23.9483



42.5002, 24.0307, 36.1589



34.8979, 39.9822, 12.0097



8.6906, 8.5830, 9.8694



14.8334, 7.4509, 9.5487



0.4954, 0.2459, 0.4513

Previews

White Background



This preview shows how the XYZ color 19.2982, 21.4481, 46.3028 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 19.2982, 21.4481, 46.3028 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

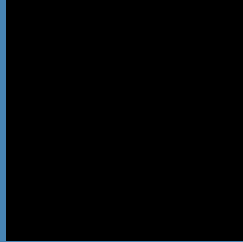
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 19.2982, 21.4481, 46.3028

Background



This preview shows how black text looks on a background with the XYZ color 19.2982, 21.4481, 46.3028.

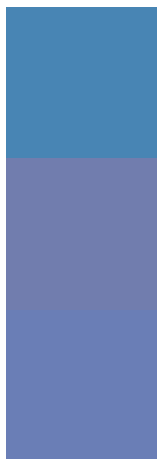


This preview shows how white text looks on a background with the XYZ color 19.2982, 21.4481,

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

19.2982, 21.4481, 46.3028

Protanopia

21.7836, 21.2339, 42.9948

Deuteranopia

21.8482, 21.3633, 47.2280



Tritanopia

16.5413, 21.5971, 32.1510

Trichromacy



Original Color

19.2982, 21.4481, 46.3028

Protanomaly

20.5926, 21.1696, 44.0751

Deuteranomaly

20.8068, 21.4164, 46.7532

Tritanomaly

17.4930, 21.5545, 36.9567

Monochromacy



Original Color

19.2982, 21.4481, 46.3028

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

17.8096, 19.5038, 28.4171

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.2982, 21.4481, 46.3028 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(72, 133, 180)` looks like.

```
.text, #text, p{  
    color:rgb(72, 133, 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(72, 133, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 133, 180) }
```

Border

The CSS property to change the border of an element to XYZ 19.2982, 21.4481, 46.3028 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(72, 133, 180) }
```


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

```
.border{ border-color:rgb(72, 133, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 133, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 133, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 133, 180);  
box-shadow:4px 4px 4px 4px rgb(72, 133,  
180) }
```

Background

The CSS property to change the background color of an element to XYZ 19.2982, 21.4481, 46.3028 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 133, 180) }
```

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

```
.background{ background-color: rgb(72, 133,  
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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