

Converting Colors

XYZ(18.8909, 21.5176, 47.2329)

Have a look what the booklet for
XYZ(18.8909, 21.5176, 47.2329)
contains.

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Color

**XYZ(18.8321, 21.3883,
47.3918)**

Conversions

Conversions Part 1

Format	Color
Hex	3C86B6
RGB	60, 134, 182
RGB Percent	24%, 53%, 71%
CMY	0.7647, 0.4745, 0.2863
CMYK	0.67, 0.26, 0.00, 0.29
HSL	204°, 50%, 47%
HSV	204°, 67%, 71%
XYZ	18.8321, 21.3883, 47.3918
YIQ	117.3460, -59.5120, -0.7600

Conversions

Conversions Part 2

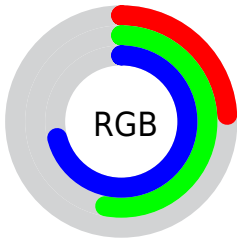
Format	Color
RYB	60, 106, 182
Decimal	3966646
CIELab	53.37, -7.53, -31.96
CIELCh	53, 32.837, 256.749
Yxy	21.3883, 0.2149, 0.2441
Android (android.graphics.Color)	4282156726 (0xFF3C86B6)
YUV	117.3460, 31.8744, -50.2924
Hunter-Lab	46.2475, -8.2474, -28.3838

Details

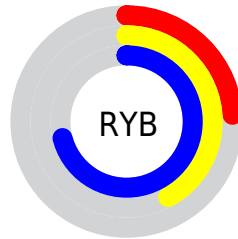
The XYZ color **18.8321, 21.3883, 47.3918** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **25.4706, 20.9979, 6.9865**, and the grayscale version is **16.9341, 17.8160, 19.4016**.

A 20% lighter version of the original color is **40.9487, 45.7068, 87.5530**, and **7.2109, 8.0820, 21.9488** is the 20% darker color. If you saturate the color by 10%, you get **16.9594, 19.0033, 47.0306**, and if you desaturate by 10%, it is **21.1514, 24.1037, 47.7941**.

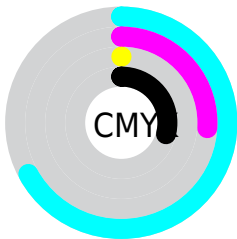
Distribution



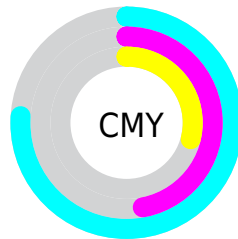
- Red (24%)
- Green (53%)
- Blue (71%)



- Red (24%)
- Yellow (42%)
- Blue (71%)



- Cyan (67%)
- Magenta (26%)
- Yellow (0%)
- Black (29%)



- Cyan (76%)
- Magenta (47%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.8321, 21.3883, 47.3918 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 18.8321, 21.3883, 47.3918 by changing the saturation by 10% instead.

■ 18.8321, 21.3883,
47.3918

■ 18.8321, 21.3883,
47.3918

238.4762,
259.3350, 392.8152

■ 11.6523, 13.4081,
32.9889

■ 40.9693, 45.7329,
87.6543

■ 6.5779, 7.7102,
21.8469

■ 56.6573, 62.8661,
114.3509

■ 3.2435, 3.9101,
13.5472

■ 75.9122, 83.8191,
145.9826

■ 1.2838, 1.6234,
7.6713

■ 99.0993, 108.9763,
182.9679

■ 0.1711, 0.3733,
3.8006

■ 126.5839,
138.7221, 225.7252

■ 0.0000, 0.0000,
1.5166

158.7313,

■ 0.0000, 0.0000,

173.4409, 274.6732

0.2303

195.9070,
213.5170, 330.2303

■ 0.0000, 0.0000,
0.0000

■ 18.8321, 21.3883,
47.3918

■ 18.8321, 21.3883,
47.3918

■ 16.9594, 19.0033,
47.0306

■ 21.1514, 24.1037,
47.7941

■ 15.4891, 16.9230,
46.7065

■ 23.9512, 27.1679,
48.2380

■ 14.3629, 15.1156,
46.4170

■ 27.2644, 30.6000,
48.7258

■ 14.0619, 14.6141,
46.3361

■ 31.1204, 34.4170,
49.2594

■ 35.5459, 38.6344,
49.8401

■ 40.5660, 43.2668,
50.4697

■ 46.2041, 48.3280,
51.1494

■ 52.4823, 53.8310,
51.8807

■ 59.4216, 59.7882,
52.6649

Harmonies

Analogous

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



16.0766, 21.3883, 40.2384



18.8321, 21.3883, 47.3918



22.3207, 21.3883, 46.9069

Triad

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



18.8321, 21.3883, 47.3918



27.4402, 21.3883, 18.1866



15.8307, 21.3883, 12.4630

Complementary

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



18.8321, 21.3883, 47.3918



25.4706, 20.9979, 6.9865

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.



18.4593, 21.3883, 9.3267



18.8321, 21.3883, 47.3918



25.2719, 21.3883, 11.9252

Square

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



18.8321, 21.3883, 47.3918



27.5696, 21.3883, 27.9673



21.9031, 21.3883, 9.1630



14.4819, 21.3883, 19.1625

Rectangle

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



18.8321, 21.3883, 47.3918



24.6051, 21.3883, 42.2857



21.9031, 21.3883, 9.1630



16.5794, 21.3883, 11.0523

Sweetspot

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



18.8329, 21.3890, 47.3923



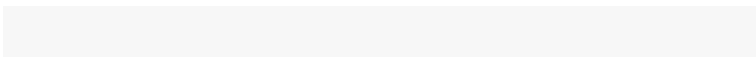
61.6716, 67.4309, 90.0007



21.2339, 35.4739, 19.5749



13.1229, 14.4188, 19.8131



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



18.8329, 21.3890, 47.3923



29.5095, 32.7564, 85.0030



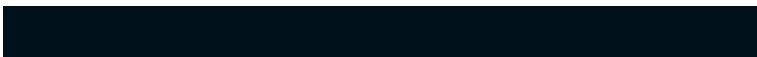
12.7723, 9.2679, 45.3721



8.9621, 9.6013, 11.4603



9.9964, 10.4526, 32.7438



0.4109, 0.4854, 1.1738

Inverse Universe

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



25.2110, 14.8989, 24.1020



42.5754, 22.7245, 36.5601



34.0673, 38.1913, 9.8521



9.2272, 9.1012, 10.5438



15.6594, 7.8375, 11.3592



0.5815, 0.2881, 0.5558

Previews

White Background



This preview shows how the XYZ color 18.8321, 21.3883, 47.3918 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 18.8321, 21.3883, 47.3918 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 18.8321, 21.3883, 47.3918

Background



This preview shows how black text looks on a background with the XYZ color 18.8321, 21.3883, 47.3918.



This preview shows how white text looks on a background with the XYZ color 18.8321, 21.3883,

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

18.8321, 21.3883, 47.3918

Protanopia

21.7536, 21.2071, 43.5043

Deuteranopia

21.8215, 21.3255, 48.3135



Tritanopia

15.8784, 21.4619, 32.5838

Trichromacy



Original Color

18.8321, 21.3883, 47.3918

Protanomaly

20.2693, 20.9799, 45.1007

Deuteranomaly

20.4220, 21.1941, 47.8143

Tritanomaly

16.8290, 21.4140, 37.4287

Monochromacy



Original Color

18.8321, 21.3883, 47.3918

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

16.7145, 18.5758, 27.9038

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.8321, 21.3883, 47.3918 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(60, 134, 182)` looks like.

```
.text, #text, p{  
    color:rgb(60, 134, 182)  
}
```

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(60, 134, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(60, 134, 182) }
```

Border

The CSS property to change the border of an element to XYZ 18.8321, 21.3883, 47.3918 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(60, 134, 182) }
```


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

```
.border{ border-color:rgb(60, 134, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(60, 134, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(60, 134, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(60, 134, 182);  
box-shadow:4px 4px 4px 4px rgb(60, 134,  
182) }
```

Background

The CSS property to change the background color of an element to XYZ 18.8321, 21.3883, 47.3918 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(60, 134, 182) }
```

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

```
.background{ background-color: rgb(60, 134,  
182) }
```

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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