

Converting Colors

XYZ(18.7606, 20.4485, 43.2252)

Have a look what the booklet for
XYZ(18.7606, 20.4485, 43.2252)
contains.

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Color

**XYZ(18.7147, 20.4188,
42.9992)**

Conversions

Conversions Part 1

Format	Color
Hex	4F81AE
RGB	79, 129, 174
RGB Percent	31%, 51%, 68%
CMY	0.6902, 0.4941, 0.3176
CMYK	0.55, 0.26, 0.00, 0.32
HSL	208°, 38%, 50%
HSV	208°, 55%, 68%
XYZ	18.7147, 20.4188, 42.9992
YIQ	119.1800, -44.2450, 3.3950

Conversions

Conversions Part 2

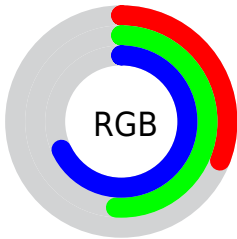
Format	Color
R _Y B	79, 112, 174
Decimal	5210542
CIE Lab	52.31, -3.55, -28.96
CIE LCh	52, 29.179, 263.020
Yxy	20.4188, 0.2279, 0.2486
Android (android.graphics.Color)	4283400622 (0xFF4F81AE)
YUV	119.1800, 27.0263, -35.2379
Hunter-Lab	45.1872, -5.1500, -24.7882

Details

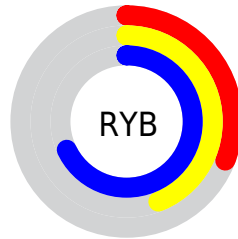
The XYZ color **18.7147, 20.4188, 42.9992** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **26.0752, 23.9794, 10.6522**, and the grayscale version is **17.5194, 18.4318, 20.0722**.

A 20% lighter version of the original color is **40.8424, 44.2374, 81.2490**, and **6.5010, 7.2112, 19.1384** is the 20% darker color. If you saturate the color by 10%, you get **16.4102, 17.6839, 42.5932**, and if you desaturate by 10%, it is **21.4870, 23.5257, 43.4532**.

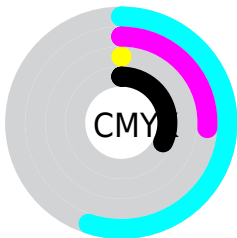
Distribution



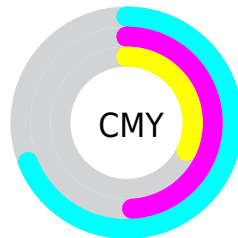
- Red (31%)
- Green (51%)
- Blue (68%)



- Red (31%)
- Yellow (44%)
- Blue (68%)



- Cyan (55%)
- Magenta (26%)
- Yellow (0%)
- Black (32%)



- Cyan (69%)
- Magenta (49%)
- Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.7147, 20.4188, 42.9992 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 18.7147, 20.4188, 42.9992 by changing the saturation by 10% instead.

■ 18.7147, 20.4188,
42.9992

■ 18.7147, 20.4188,
42.9992

237.8376,
254.1734, 374.5296

■ 11.5671, 12.6998,
29.5531

■ 40.7721, 44.1182,
80.9960

■ 6.5197, 7.2222,
19.2505

■ 56.4125, 60.8675,
106.3838

■ 3.2072, 3.6014,
11.6727

■ 75.6146, 81.3956,
136.5892

■ 1.2643, 1.4532,
6.4014

■ 98.7438, 106.0870,
172.0307

■ 0.1562, 0.2554,
3.0180

■ 126.1653,
135.3261, 213.1270

■ 0.0000, 0.0000,
1.1038

158.2446,

■ 0.0000, 0.0000,

169.4973, 260.2966

0.0000

195.3469,
208.9849, 313.9579

■ 18.7147, 20.4188,
42.9992

■ 18.7147, 20.4188,
42.9992

■ 16.4102, 17.6839,
42.5932

■ 21.4870, 23.5257,
43.4532

■ 14.5390, 15.2989,
42.2314

■ 24.7540, 27.0202,
43.9555

■ 13.0650, 13.2425,
41.9122

■ 28.5428, 30.9194,
44.5084

■ 11.9437, 11.4885,
41.6327

■ 32.8777, 35.2389,
45.1137

■ 11.4308, 10.6375,
41.4955

■ 37.7817, 39.9930,
45.7729

■ 43.2761, 45.1954,
46.4874

■ 49.3813, 50.8590,
47.2588

■ 56.1165, 56.9964,
48.0885

■ 63.5001, 63.6193,
48.9777

Harmonies

Analogous

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



16.1394, 20.4188, 38.2184



18.7147, 20.4188, 42.9992



21.7524, 20.4188, 41.1731

Triad

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



18.7147, 20.4188, 42.9992



25.2170, 20.4188, 16.3764



15.1534, 20.4188, 13.7002

Complementary

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



18.7147, 20.4188, 42.9992



26.0752, 23.9794, 10.6522

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.



17.2374, 20.4188, 10.2282



18.7147, 20.4188, 42.9992



23.0893, 20.4188, 11.4722

Square

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



18.7147, 20.4188, 42.9992



25.7165, 20.4188, 24.3018



20.1171, 20.4188, 9.5333



14.2251, 20.4188, 20.2844

Rectangle

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



18.7147, 20.4188, 42.9992



23.6162, 20.4188, 36.6346



20.1171, 20.4188, 9.5333



15.7310, 20.4188, 12.2074

Sweetspot

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



18.7154, 20.4195, 42.9997



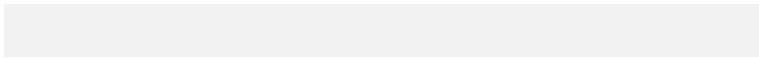
58.2379, 62.5423, 81.6393



21.9573, 33.3733, 24.1338



12.5820, 13.5424, 18.0951



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



18.7154, 20.4195, 42.9997



28.8200, 30.9040, 77.0830



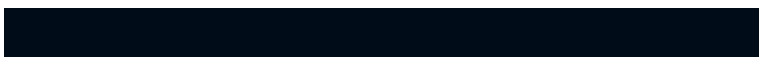
13.8951, 10.7789, 41.3929



7.9146, 8.4286, 10.1624



8.3506, 7.8350, 30.1167



0.2866, 0.3265, 0.8559

Inverse Universe

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



24.2146, 16.1764, 22.6157



40.3286, 24.0536, 33.9686



33.3988, 38.6265, 13.0934



8.1747, 8.0831, 9.2308



14.0786, 7.0940, 8.0594



0.4190, 0.2083, 0.3685

Previews

White Background



This preview shows how the XYZ color 18.7147, 20.4188, 42.9992 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 18.7147, 20.4188, 42.9992 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

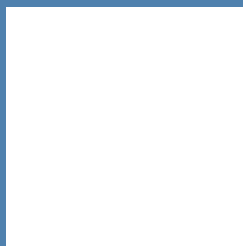
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.7147, 20.4188, 42.9992

Background



This preview shows how black text looks on a background with the XYZ color 18.7147, 20.4188, 42.9992.

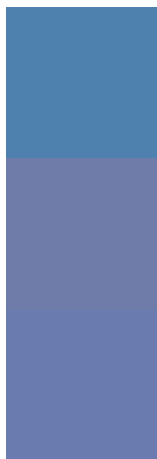


This preview shows how white text looks on a background with the XYZ color 18.7147, 20.4188,

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

18.7147, 20.4188, 42.9992

Protanopia

20.7999, 20.4100, 40.3794

Deuteranopia

20.7647, 20.3252, 43.3862



Tritanopia

16.0198, 20.3235, 29.8666

Trichromacy



Original Color

18.7147, 20.4188, 42.9992

Protanomaly

19.8299, 20.2602, 41.3935

Deuteranomaly

19.8953, 20.2492, 43.4173

Tritanomaly

16.9245, 20.2805, 34.4750

Monochromacy



Original Color

18.7147, 20.4188, 42.9992

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

17.4521, 18.9731, 27.1684

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.7147, 20.4188, 42.9992 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(79, 129, 174)` looks like.

```
.text, #text, p{  
    color:rgb(79, 129, 174)  
}
```

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(79, 129, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 129, 174) }
```

Border

The CSS property to change the border of an element to XYZ 18.7147, 20.4188, 42.9992 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(79, 129, 174) }
```


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

```
.border{ border-color:rgb(79, 129, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(79, 129, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 129, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 129, 174);  
box-shadow:4px 4px 4px 4px rgb(79, 129,  
174) }
```

Background

The CSS property to change the background color of an element to XYZ 18.7147, 20.4188, 42.9992 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 129, 174) }
```

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

```
.background{ background-color: rgb(79, 129,  
174) }
```

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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