

Converting Colors

XYZ(19.7826, 20.9734, 34.9740)

Have a look what the booklet for
XYZ(19.7826, 20.9734, 34.9740)
contains.

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Color

**XYZ(19.7488, 20.9368,
34.8986)**

Conversions

Conversions Part 1

Format	Color
Hex	6A809D
RGB	106, 128, 157
RGB Percent	42%, 50%, 62%
CMY	0.5843, 0.4980, 0.3843
CMYK	0.32, 0.18, 0.00, 0.38
HSL	214°, 21%, 52%
HSV	214°, 32%, 62%
XYZ	19.7488, 20.9368, 34.8986
YIQ	124.7280, -22.4210, 4.3550

Conversions

Conversions Part 2

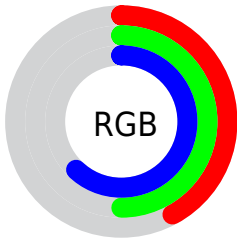
Format	Color
R_{YB}	106, 121, 157
Decimal	6979741
CIE _{Lab}	52.88, -0.75, -18.11
CIE _{LCh}	53, 18.128, 267.620
Yxy	20.9368, 0.2613, 0.2770
Android (android.graphics.Color)	4285169821 (0xFF6A809D)
YUV	124.7280, 15.9101, -16.4245
Hunter-Lab	45.7567, -3.0330, -13.1907

Details

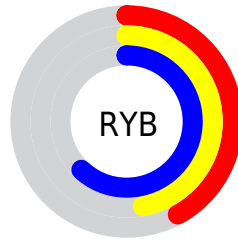
The XYZ color **19.7488, 20.9368, 34.8986** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **25.1705, 25.5369, 17.2388**, and the grayscale version is **19.3558, 20.3638, 22.1762**.

A 20% lighter version of the original color is **42.7056, 45.1721, 68.7556**, and **7.0284, 7.4733, 14.7077** is the 20% darker color. If you saturate the color by 10%, you get **16.9375, 17.8347, 34.4484**, and if you desaturate by 10%, it is **23.0055, 24.4215, 35.3999**.

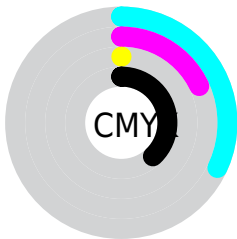
Distribution



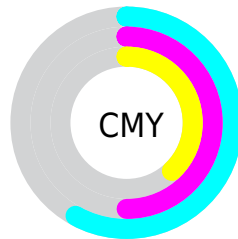
- Red (42%)
- Green (50%)
- Blue (62%)



- Red (42%)
- Yellow (47%)
- Blue (62%)



- Cyan (32%)
- Magenta (18%)
- Yellow (0%)
- Black (38%)



- Cyan (58%)
- Magenta (50%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.7488, 20.9368, 34.8986 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 19.7488, 20.9368, 34.8986 by changing the saturation by 10% instead.

■ 19.7488, 20.9368,
34.8986

■ 19.7488, 20.9368,
34.8986

243.4115,
256.9424, 339.0112

■ 12.3198, 13.0778,
23.3018

■ 42.5028, 44.9823,
68.4784

■ 7.0356, 7.4822,
14.6092

■ 58.5585, 61.9377,
91.2986

■ 3.5309, 3.7654,
8.4020

■ 78.2204, 82.6939,
118.6970

■ 1.4403, 1.5432,
4.2618

■ 101.8540,
107.6354, 151.0922

■ 0.2847, 0.3189,
1.7700

129.8245,
137.1467, 188.9026

■ 0.0000, 0.0000,
0.4081

162.4974,

■ 0.0000, 0.0000,

171.6120, 232.5469

0.0000

200.2379,
211.4158, 282.4436

■ 19.7488, 20.9368,
34.8986

■ 19.7488, 20.9368,
34.8986

■ 16.9375, 17.8347,
34.4484

■ 23.0055, 24.4215,
35.3999

■ 14.5484, 15.0980,
34.0461

■ 26.7253, 28.3004,
35.9526

■ 12.5588, 12.7114,
33.6903

■ 30.9275, 32.5875,
36.5586

■ 10.9432, 10.6576,
33.3790

■ 35.6296, 37.2952,
37.2195

■ 9.6726, 8.9170,
33.1100

■ 40.8480, 42.4356,
37.9366

■ 8.7129, 7.4675,
32.8808

■ 46.5986, 48.0199,
38.7114

■ 8.1366, 6.5358,
32.7313

■ 52.8965, 54.0593,
39.5452

■ 59.7560, 60.5643,
40.4392

■ 67.1912, 67.5450,
41.3948

Harmonies

Analogous

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



18.0108, 20.9368, 32.7981



19.7488, 20.9368, 34.8986



21.6380, 20.9368, 33.3538

Triad

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



19.7488, 20.9368, 34.8986



23.3074, 20.9368, 18.2913



16.9775, 20.9368, 17.6505

Complementary

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



19.7488, 20.9368, 34.8986



25.1705, 25.5369, 17.2388

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.



18.2573, 20.9368, 14.7415



19.7488, 20.9368, 34.8986



21.9164, 20.9368, 15.0681

Square

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



19.7488, 20.9368, 34.8986



23.7685, 20.9368, 23.2329



20.0516, 20.9368, 13.8762



16.4755, 20.9368, 22.3658

Rectangle

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



19.7488, 20.9368, 34.8986



22.7157, 20.9368, 30.5821



20.0516, 20.9368, 13.8762



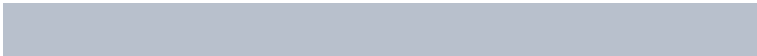
17.3268, 20.9368, 16.4592

Sweetspot

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



19.7495, 20.9376, 34.8991



49.5082, 52.3760, 64.6270



22.3674, 28.9250, 27.2895



10.6872, 11.3126, 14.1906



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



19.7495, 20.9376, 34.8991



31.6321, 33.3918, 61.9048



17.5964, 16.0196, 34.0633



6.5083, 6.8823, 8.3921



6.6439, 5.3793, 26.5954



0.1600, 0.1786, 0.4893

Inverse Universe

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



22.9555, 19.0353, 22.8872



38.4021, 29.8581, 36.4316



27.9093, 31.9858, 18.3392



6.7459, 6.6913, 7.5131



12.1517, 6.1653, 5.0500



0.2381, 0.1186, 0.1999

Previews

White Background



This preview shows how the XYZ color 19.7488, 20.9368, 34.8986 looks on a white background.

Color Contrast Check

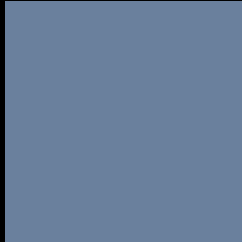
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.7488, 20.9368, 34.8986 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

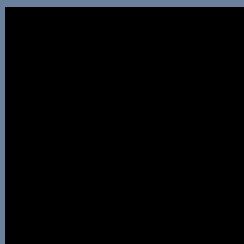
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

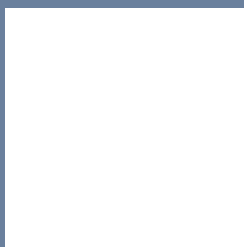
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.7488, 20.9368, 34.8986

Background



This preview shows how black text looks on a background with the XYZ color 19.7488, 20.9368, 34.8986.

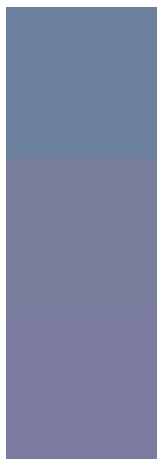


This preview shows how white text looks on a background with the XYZ color 19.7488, 20.9368,

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

19.7488, 20.9368, 34.8986

Protanopia

20.8578, 20.9557, 33.9559

Deuteranopia

21.2806, 20.7721, 35.2356



Tritanopia

18.4035, 20.9805, 28.2790

Trichromacy



Original Color

19.7488, 20.9368, 34.8986

Protanomaly

20.4010, 20.8994, 34.4112

Deuteranomaly

20.7076, 20.8489, 35.2806

Tritanomaly

18.8426, 20.9554, 30.6554

Monochromacy



Original Color

19.7488, 20.9368, 34.8986

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

19.4474, 20.5794, 26.6141

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.7488, 20.9368, 34.8986 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(106, 128, 157)` looks like.

```
.text, #text, p{  
    color:rgb(106, 128, 157)  
}
```

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(106, 128, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 128, 157) }
```

Border

The CSS property to change the border of an element to XYZ 19.7488, 20.9368, 34.8986 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(106, 128, 157) }
```


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

```
.border{ border-color:rgb(106, 128, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 128, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 128, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 128, 157);  
box-shadow:4px 4px 4px 4px rgb(106, 128,  
157) }
```

Background

The CSS property to change the background color of an element to XYZ 19.7488, 20.9368, 34.8986 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 128, 157) }
```

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

```
.background{ background-color: rgb(106,  
128, 157) }
```

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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