

Converting Colors

XYZ(10.7390, 11.8613, 20.6834)

Have a look what the booklet for
XYZ(10.7390, 11.8613, 20.6834)
contains.

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Color

**XYZ(10.7938, 11.9092,
20.7986)**

Conversions

Conversions Part 1

Format	Color
Hex	47647C
RGB	71, 100, 124
RGB Percent	28%, 39%, 49%
CMY	0.7216, 0.6078, 0.5137
CMYK	0.43, 0.19, 0.00, 0.51
HSL	207°, 27%, 38%
HSV	207°, 43%, 49%
XYZ	10.7938, 11.9092, 20.7986
YIQ	94.0650, -24.9880, 1.3160

Conversions

Conversions Part 2

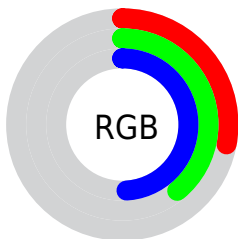
Format	Color
RYB	71, 90, 124
Decimal	4678780
CIELab	41.07, -3.87, -16.78
CIELCh	41, 17.224, 257.024
Yxy	11.9092, 0.2481, 0.2738
Android (android.graphics.Color)	4282868860 (0xFF47647C)
YUV	94.0650, 14.7580, -20.2280
Hunter-Lab	34.5097, -4.5615, -11.5766

Details

The XYZ color **10.7938, 11.9092, 20.7986** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **13.5420, 12.9247, 7.7426**, and the grayscale version is **10.6254, 11.1788, 12.1737**.

A 20% lighter version of the original color is **27.0285, 29.4451, 45.8539**, and **2.8984, 3.3058, 7.1419** is the 20% darker color. If you saturate the color by 10%, you get **9.4555, 10.4474, 20.5872**, and if you desaturate by 10%, it is **12.3557, 13.5419, 21.0316**.

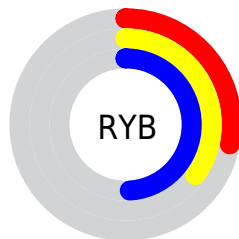
Distribution



Red (28%)

Green (39%)

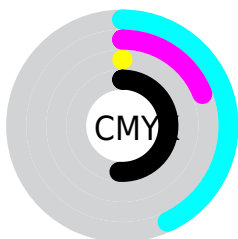
Blue (49%)



Red (28%)

Yellow (35%)

Blue (49%)

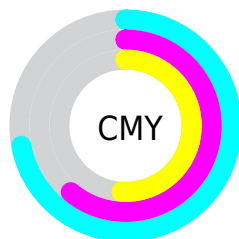


Cyan (43%)

Magenta (19%)

Yellow (0%)

Black (51%)



Cyan (72%)

Magenta (61%)

Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.7938, 11.9092, 20.7986 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 10.7938, 11.9092, 20.7986 by changing the saturation by 10% instead.

■ 10.7938, 11.9092,
20.7986

■ 10.7938, 11.9092,
20.7986

190.1850,
203.8032, 268.9520

■ 5.9946, 6.6819,
12.7871

■ 26.9146, 29.3296,
45.6285

■ 2.8824, 3.2640,
7.1531

■ 38.9669, 42.2915,
63.2840

■ 1.0919, 1.2710,
3.4781

■ 54.1676, 58.6004,
84.9912

■ 0.0183, 0.1186,
1.3436

■ 72.8821, 78.6406,
111.1687

■ 0.0000, 0.0000,
0.0972

■ 95.4758, 102.7966,
142.2350

■ 0.0000, 0.0000,
0.0000

122.3139,

131.4528, 178.6086

153.7619,
164.9936, 220.7081

■ 10.7938, 11.9092,
20.7986

■ 10.7938, 11.9092,
20.7986

■ 9.4555, 10.4474,
20.5872

■ 12.3557, 13.5419,
21.0316

■ 8.3274, 9.1477,
20.3958

■ 14.1510, 15.3509,
21.2862

■ 7.3966, 8.0026,
20.2238

■ 16.1906, 17.3430,
21.5632

■ 6.6479, 7.0030,
20.0703

■ 18.4841, 19.5243,
21.8634

■ 6.0635, 6.1387,
19.9343

■ 21.0406, 21.9004,
22.1872

■ 5.6963, 5.5715,
19.8442

■ 23.8688, 24.4768,
22.5355

■ 26.9770, 27.2586,
22.9086

■ 30.3730, 30.2508,
23.3072

■ 34.0644, 33.4583,
23.7317

Harmonies

Analogous

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



9.7747, 11.9092, 18.6142



10.7938, 11.9092, 20.7986



12.0298, 11.9092, 20.6285

Triad

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



10.7938, 11.9092, 20.7986



13.7484, 11.9092, 11.0740



9.6674, 11.9092, 8.8571

Complementary

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



10.7938, 11.9092, 20.7986



13.5420, 12.9247, 7.7426

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.



10.6374, 11.9092, 7.4851



10.7938, 11.9092, 20.7986



13.0187, 11.9092, 8.5960

Square

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



10.7938, 11.9092, 20.7986



13.7979, 11.9092, 14.5570



11.8617, 11.9092, 7.3992



9.1569, 11.9092, 11.4974

Rectangle

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



10.7938, 11.9092, 20.7986



12.8122, 11.9092, 19.1986



11.8617, 11.9092, 7.3992



9.9472, 11.9092, 8.2550

Sweetspot

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



10.7942, 11.9097, 20.7989



28.2757, 30.3114, 37.9170



11.8652, 16.5787, 13.3657



6.4928, 6.9777, 8.9077



60.6688, 63.8283, 69.5090



7.9400, 8.3535, 9.0970

Same Dimension

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



10.7942, 11.9097, 20.7989



16.7547, 18.5139, 36.2471



8.6624, 7.6462, 20.0883



3.9624, 4.2231, 5.0495



5.7881, 5.6586, 20.1724



26.7501, 25.2729, 95.9381

Inverse Universe

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



12.8660, 9.7120, 13.2536



21.0129, 14.5361, 20.6181



16.3298, 18.5002, 8.6718



4.0815, 4.0483, 4.6267



9.5049, 4.7781, 5.9496



44.9054, 22.6185, 26.0955

Previews

White Background



This preview shows how the XYZ color 10.7938, 11.9092, 20.7986 looks on a white 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

Black Background



This preview shows how the XYZ color 10.7938, 11.9092, 20.7986 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

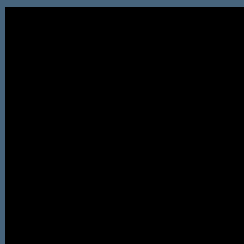
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

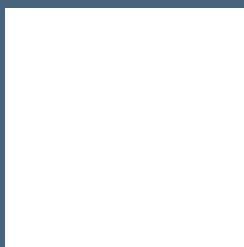
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 10.7938, 11.9092, 20.7986

Background



This preview shows how black text looks on a background with the XYZ color 10.7938, 11.9092, 20.7986.

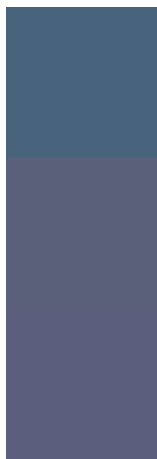


This preview shows how white text looks on a background with the XYZ color 10.7938, 11.9092,

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

10.7938, 11.9092, 20.7986

Protanopia

11.8505, 11.9199, 19.7653

Deuteranopia

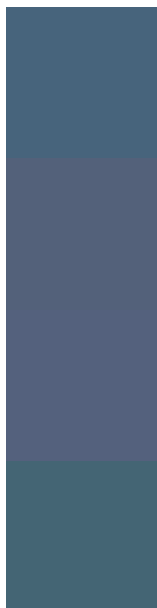
12.1083, 11.8892, 21.0587



Tritanopia

9.9354, 11.8437, 16.8013

Trichromacy



Original Color

10.7938, 11.9092, 20.7986

Protanomaly

11.3548, 11.7935, 20.0903

Deuteranomaly

11.6325, 11.9149, 21.0887

Tritanomaly

10.1900, 11.7973, 18.2630

Monochromacy



Original Color

10.7938, 11.9092, 20.7986

Achromatopsia

10.6392, 11.1932, 12.1894

Achromatomaly

10.5704, 11.3641, 15.0010

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.7938, 11.9092, 20.7986 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(71, 100, 124)` looks like.

```
.text, #text, p{  
    color:rgb(71, 100, 124)  
}
```

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(71, 100, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 100, 124) }
```

Border

The CSS property to change the border of an element to XYZ 10.7938, 11.9092, 20.7986 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(71, 100, 124) }
```


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

```
.border{ border-color:rgb(71, 100, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 100, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 100, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 100, 124);  
box-shadow:4px 4px 4px 4px rgb(71, 100,  
124) }
```

Background

The CSS property to change the background color of an element to XYZ 10.7938, 11.9092, 20.7986 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 100, 124) }
```

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

```
.background{ background-color: rgb(71, 100,  
124) }
```

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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