

Converting Colors

XYZ(10.2223, 10.8484, 17.6998)

Have a look what the booklet for
XYZ(10.2223, 10.8484, 17.6998)
contains.

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Color

**XYZ(10.2391, 10.8629,
17.7767)**

Conversions

Conversions Part 1

Format	Color
Hex	4E5E73
RGB	78, 94, 115
RGB Percent	31%, 37%, 45%
CMY	0.6941, 0.6314, 0.5490
CMYK	0.32, 0.18, 0.00, 0.55
HSL	214°, 19%, 38%
HSV	214°, 32%, 45%
XYZ	10.2391, 10.8629, 17.7767
YIQ	91.6100, -16.2770, 3.1390

Conversions

Conversions Part 2

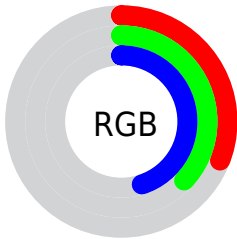
Format	Color
R_{YB}	78, 89, 115
Decimal	5135987
CIE _{Lab}	39.35, -0.66, -13.88
CIE _{LCh}	39, 13.897, 267.268
Yxy	10.8629, 0.2634, 0.2794
Android (android.graphics.Color)	4283326067 (0xFF4E5E73)
YUV	91.6100, 11.5313, -11.9360
Hunter-Lab	32.9589, -2.2248, -8.9074

Details

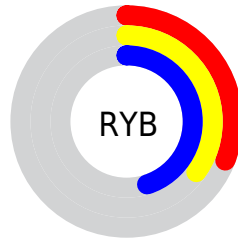
The XYZ color **10.2391, 10.8629, 17.7767** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **12.9074, 13.1187, 9.0600**, and the grayscale version is **10.0605, 10.5844, 11.5264**.

A 20% lighter version of the original color is **25.8504, 27.3257, 40.4711**, and **2.6657, 2.8262, 5.7152** is the 20% darker color. If you saturate the color by 10%, you get **8.8220, 9.3071, 17.5513**, and if you desaturate by 10%, it is **11.8707, 12.6027, 18.0267**.

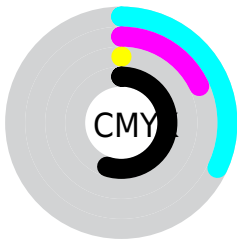
Distribution



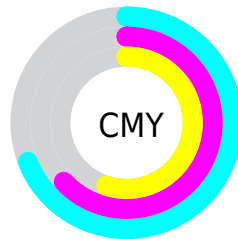
- Red (31%)
- Green (37%)
- Blue (45%)



- Red (31%)
- Yellow (35%)
- Blue (45%)



- Cyan (32%)
- Magenta (18%)
- Yellow (0%)
- Black (55%)



- Cyan (69%)
- Magenta (63%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.2391, 10.8629, 17.7767 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 10.2391, 10.8629, 17.7767 by changing the saturation by 10% instead.

■ 10.2391, 10.8629,
17.7767

■ 10.2391, 10.8629,
17.7767

186.3883,
196.7245, 251.8031

■ 5.6213, 5.9747,
10.6220

■ 25.8899, 27.4064,
40.4652

■ 2.6546, 2.8297,
5.7023

■ 37.6535, 39.8304,
56.8362

■ 0.9739, 1.0435,
2.5991

■ 52.5298, 55.5353,
77.1163

■ 0.0000, 0.0000,
0.8920

■ 70.8841, 74.9052,
101.7241

■ 0.0000, 0.0000,
0.0000

■ 93.0817, 98.3248,
131.0781

119.4881,

126.1782, 165.5969

150.4685,
158.8500, 205.6991

■ 10.2391, 10.8629,
17.7767

■ 10.2391, 10.8629,
17.7767

■ 8.8220, 9.3071,
17.5513

■ 11.8707, 12.6027,
18.0267

■ 7.6088, 7.9272,
17.3489

■ 13.7251, 14.5316,
18.3013

■ 6.5890, 6.7163,
17.1689

■ 15.8110, 16.6562,
18.6014

■ 5.7510, 5.6664,
17.0104

■ 18.1367, 18.9823,
18.9278

■ 5.0818, 4.7687,
16.8724

■ 20.7097, 21.5154,
19.2812

■ 4.5658, 4.0132,
16.7538

■ 23.5374, 24.2608,
19.6620

■ 4.2237, 3.4961,
16.6720

■ 26.6269, 27.2236,
20.0711

■ 29.9849, 30.4088,
20.5089

■ 33.6179, 33.8211,
20.9761

Harmonies

Analogous

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



9.3796, 10.8629, 16.7291



10.2391, 10.8629, 17.7767



11.1738, 10.8629, 17.0413

Triad

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



10.2391, 10.8629, 17.7767



12.0132, 10.8629, 9.6148



8.8802, 10.8629, 9.2480

Complementary

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



10.2391, 10.8629, 17.7767



12.9074, 13.1187, 9.0600

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.



9.5201, 10.8629, 7.8035



10.2391, 10.8629, 17.7767



11.3315, 10.8629, 7.9917

Square

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



10.2391, 10.8629, 17.7767



12.2340, 10.8629, 12.0759



10.4111, 10.8629, 7.3807



8.6254, 10.8629, 11.5833

Rectangle

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



10.2391, 10.8629, 17.7767



11.7077, 10.8629, 15.6923



10.4111, 10.8629, 7.3807



9.0554, 10.8629, 8.6565

Sweetspot

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



10.2394, 10.8633, 17.7770



25.2581, 26.7207, 32.8709



11.5234, 14.7816, 14.0421



5.9304, 6.2769, 7.8280



57.3938, 60.3827, 65.7568



6.9614, 7.3239, 7.9757

Same Dimension

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



10.2394, 10.8633, 17.7770



16.3111, 17.2375, 31.5120



9.1670, 8.4128, 17.3605



3.6188, 3.8262, 4.6380



4.8077, 3.9550, 19.0526



22.6094, 17.6354, 92.5726

Inverse Universe

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



11.8153, 9.9021, 11.8787



19.6879, 15.4299, 18.8161



14.2562, 16.2915, 9.6013



3.7436, 3.7247, 4.1766



8.7238, 4.4232, 3.7539



42.0989, 21.3897, 16.1163

Previews

White Background



This preview shows how the XYZ color 10.2391, 10.8629, 17.7767 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 10.2391, 10.8629, 17.7767 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

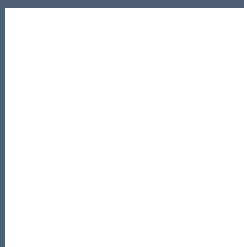
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 10.2391, 10.8629, 17.7767

Background



This preview shows how black text looks on a background with the XYZ color 10.2391, 10.8629, 17.7767.

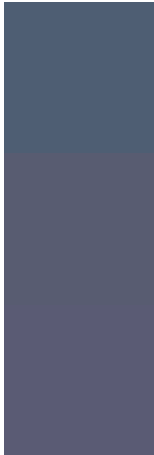


This preview shows how white text looks on a background with the XYZ color 10.2391, 10.8629,

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

10.2391, 10.8629, 17.7767

Protanopia

10.8323, 10.9213, 17.1599

Deuteranopia

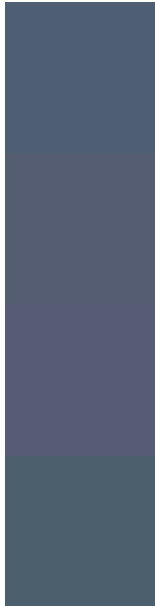
11.1099, 10.9168, 18.0446



Tritanopia

9.5832, 10.8611, 14.6880

Trichromacy



Original Color

10.2391, 10.8629, 17.7767

Protanomaly

10.6078, 10.9284, 17.4699

Deuteranomaly

10.8173, 10.8937, 18.0556

Tritanomaly

9.7795, 10.8036, 15.7572

Monochromacy



Original Color

10.2391, 10.8629, 17.7767

Achromatopsia

10.1725, 10.7023, 11.6548

Achromatomaly

10.1451, 10.7750, 13.6017

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.2391, 10.8629, 17.7767 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(78, 94, 115)` looks like.

```
.text, #text, p{  
    color:rgb(78, 94, 115)  
}
```

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(78, 94, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 94, 115) }
```

Border

The CSS property to change the border of an element to XYZ 10.2391, 10.8629, 17.7767 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(78, 94, 115) }
```


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

```
.border{ border-color:rgb(78, 94, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 94, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 94, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 94, 115);  
box-shadow:4px 4px 4px 4px rgb(78, 94,  
115) }
```

Background

The CSS property to change the background color of an element to XYZ 10.2391, 10.8629, 17.7767 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 94, 115) }
```

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

```
.background{ background-color: rgb(78, 94,  
115) }
```

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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