

Converting Colors

XYZ(10.2064, 11.4282, 19.0636)

Have a look what the booklet for
XYZ(10.2064, 11.4282, 19.0636)
contains.

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Color

**XYZ(10.1517, 11.3325,
19.1051)**

Conversions

Conversions Part 1

Format	Color
Hex	456277
RGB	69, 98, 119
RGB Percent	27%, 38%, 47%
CMY	0.7294, 0.6157, 0.5333
CMYK	0.42, 0.18, 0.00, 0.53
HSL	205°, 27%, 37%
HSV	205°, 42%, 47%
XYZ	10.1517, 11.3325, 19.1051
YIQ	91.7230, -24.0250, 0.3830

Conversions

Conversions Part 2

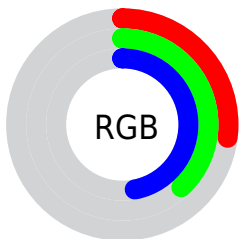
Format	Color
R_{YB}	69, 87, 119
Decimal	4547191
CIE _{Lab}	40.13, -4.73, -15.18
CIE _{LCh}	40, 15.903, 252.695
Yxy	11.3325, 0.2501, 0.2792
Android (android.graphics.Color)	4282737271 (0xFF456277)
YUV	91.7230, 13.4476, -19.9281
Hunter-Lab	33.6638, -5.0829, -10.0840

Details

The XYZ color **10.1517, 11.3325, 19.1051** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **12.3383, 11.6641, 7.2317**, and the grayscale version is **10.0834, 10.6085, 11.5527**.

A 20% lighter version of the original color is **25.7059, 28.3571, 42.6467**, and **2.6538, 3.0596, 6.4119** is the 20% darker color. If you saturate the color by 10%, you get **8.9377, 10.0342, 18.9187**, and if you desaturate by 10%, it is **11.5650, 12.7774, 19.3097**.

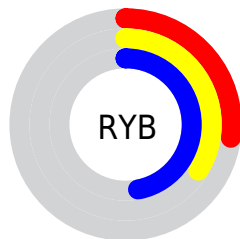
Distribution



Red (27%)

Green (38%)

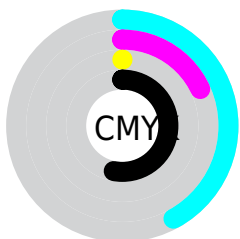
Blue (47%)



Red (27%)

Yellow (34%)

Blue (47%)

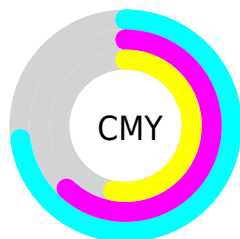


Cyan (42%)

Magenta (18%)

Yellow (0%)

Black (53%)



Cyan (73%)

Magenta (62%)

Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.1517, 11.3325, 19.1051 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 10.1517, 11.3325, 19.1051 by changing the saturation by 10% instead.

■ 10.1517, 11.3325,
19.1051

■ 10.1517, 11.3325,
19.1051

185.7825,
199.9347, 259.4704

■ 5.5627, 6.2909,
11.5687

■ 25.7275, 28.2734,
42.7507

■ 2.6192, 3.0228,
6.3317

■ 37.4451, 40.9415,
59.6969

■ 0.9557, 1.1436,
2.9758

■ 52.2695, 56.9206,
80.6168

■ 0.0000, 0.0149,
1.0823

■ 70.5662, 76.5951,
105.9289

■ 0.0000, 0.0000,
0.0000

■ 92.7005, 100.3494,
136.0518

119.0377,

128.5678, 171.4040

149.9432,
161.6348, 212.4040

■ 10.1517, 11.3325,
19.1051

■ 10.1517, 11.3325,
19.1051

■ 8.9377, 10.0342,
18.9187

■ 11.5650, 12.7774,
19.3097

■ 7.9111, 8.8749,
18.7490

■ 13.1863, 14.3734,
19.5323

■ 7.0606, 7.8481,
18.5957

■ 15.0252, 16.1264,
19.7738

■ 6.3728, 6.9460,
18.4578

■ 17.0903, 18.0416,
20.0346

■ 5.8321, 6.1600,
18.3346

■ 19.3895, 20.1239,
20.3153

■ 5.4593, 5.5909,
18.2444

■ 21.9307, 22.3779,
20.6165

■ 24.7211, 24.8080,
20.9384

■ 27.7678, 27.4186,
21.2818

■ 31.0774, 30.2137,
21.6468

Harmonies

Analogous

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



9.2844, 11.3325, 16.9404



10.1517, 11.3325, 19.1051



11.2447, 11.3325, 19.2751

Triad

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



10.1517, 11.3325, 19.1051



12.9788, 11.3325, 11.0502



9.3943, 11.3325, 8.3868

Complementary

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



10.1517, 11.3325, 19.1051



12.3383, 11.6641, 7.2317

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.



10.3112, 11.3325, 7.3056



10.1517, 11.3325, 19.1051



12.4088, 11.3325, 8.6571

Square

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



10.1517, 11.3325, 19.1051



12.9288, 11.3325, 14.2384



11.4154, 11.3325, 7.3953



8.8681, 11.3325, 10.6168

Rectangle

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



10.1517, 11.3325, 19.1051



11.9596, 11.3325, 18.1985



11.4154, 11.3325, 7.3953



9.6642, 11.3325, 7.8955

Sweetspot

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



10.1521, 11.3329, 19.1054



26.4499, 28.4485, 35.3501



10.8897, 15.1945, 11.9949



6.1184, 6.6002, 8.3582



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



10.1521, 11.3329, 19.1054



16.1550, 18.1328, 33.9016



8.1778, 7.3845, 18.4473



3.6605, 3.9097, 4.6520



5.7905, 5.9208, 19.3802



27.3567, 27.1300, 94.1551

Inverse Universe

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



11.9408, 9.0604, 12.6752



19.8998, 13.8672, 20.3292



14.7939, 16.5753, 8.0502



3.7647, 3.7331, 4.2875



9.2199, 4.6217, 6.3663



44.4951, 22.3482, 28.7345

Previews

White Background



This preview shows how the XYZ color 10.1517, 11.3325, 19.1051 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 10.1517, 11.3325, 19.1051 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

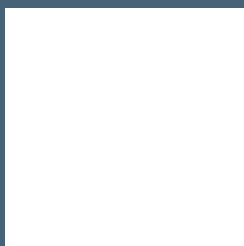
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 10.1517, 11.3325, 19.1051

Background



This preview shows how black text looks on a background with the XYZ color 10.1517, 11.3325, 19.1051.

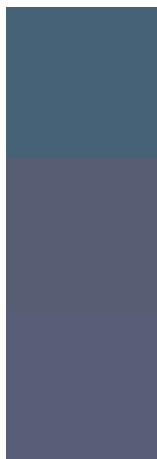


This preview shows how white text looks on a background with the XYZ color 10.1517, 11.3325,

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

10.1517, 11.3325, 19.1051

Protanopia

11.1866, 11.2135, 18.0978

Deuteranopia

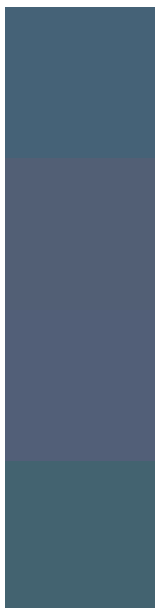
11.5210, 11.3584, 19.3545



Tritanopia

9.5107, 11.3553, 15.8779

Trichromacy



Original Color

10.1517, 11.3325, 19.1051

Protanomaly

10.7828, 11.2626, 18.4352

Deuteranomaly

10.9620, 11.3343, 19.3793

Tritanomaly

9.7012, 11.2868, 16.9965

Monochromacy



Original Color

10.1517, 11.3325, 19.1051

Achromatopsia

10.1725, 10.7023, 11.6548

Achromatomaly

10.0571, 10.8495, 14.1345

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.1517, 11.3325, 19.1051 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(69, 98, 119) looks like.

```
.text, #text, p{  
    color:rgb(69, 98, 119)  
}
```

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(69, 98, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 98, 119) }
```

Border

The CSS property to change the border of an element to XYZ 10.1517, 11.3325, 19.1051 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(69, 98, 119) }
```


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

```
.border{ border-color:rgb(69, 98, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 98, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 98, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 98, 119);  
box-shadow:4px 4px 4px 4px rgb(69, 98,  
119) }
```

Background

The CSS property to change the background color of an element to XYZ 10.1517, 11.3325, 19.1051 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 98, 119) }
```

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

```
.background{ background-color: rgb(69, 98,  
119) }
```

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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