

Converting Colors

XYZ(10.1604, 11.9245, 20.4099)

Have a look what the booklet for
XYZ(10.1604, 11.9245, 20.4099)
contains.

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Color

**XYZ(10.1302, 11.8626,
20.4947)**

Conversions

Conversions Part 1

Format	Color
Hex	3B667B
RGB	59, 102, 123
RGB Percent	23%, 40%, 48%
CMY	0.7686, 0.6000, 0.5176
CMYK	0.52, 0.17, 0.00, 0.52
HSL	200°, 35%, 36%
HSV	200°, 52%, 48%
XYZ	10.1302, 11.8626, 20.4947
YIQ	91.5370, -32.3690, -2.5850

Conversions

Conversions Part 2

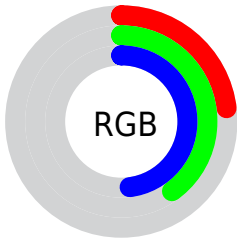
Format	Color
R _Y B	59, 85, 123
Decimal	3892859
CIE Lab	41.00, -8.61, -16.35
CIE LCh	41, 18.479, 242.216
Yxy	11.8626, 0.2384, 0.2792
Android (android.graphics.Color)	4282082939 (0xFF3B667B)
YUV	91.5370, 15.5113, -28.5349
Hunter-Lab	34.4421, -7.7729, -11.1709

Details

The XYZ color **10.1302, 11.8626, 20.4947** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **11.8269, 10.2646, 5.4961**, and the grayscale version is **10.0377, 10.5605, 11.5003**.

A 20% lighter version of the original color is **25.7833, 29.2966, 45.3702**, and **2.6022, 3.2268, 6.9642** is the 20% darker color. If you saturate the color by 10%, you get **9.0983, 10.7563, 20.3358**, and if you desaturate by 10%, it is **11.3540, 13.0970, 20.6687**.

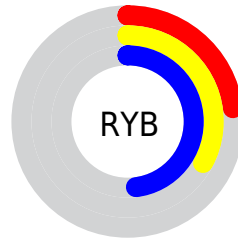
Distribution



Red (23%)

Green (40%)

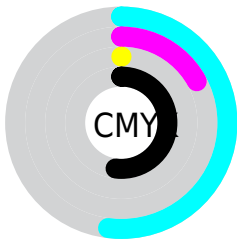
Blue (48%)



Red (23%)

Yellow (33%)

Blue (48%)

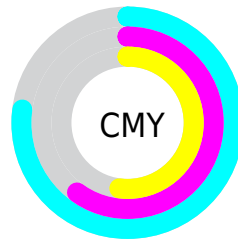


Cyan (52%)

Magenta (17%)

Yellow (0%)

Black (52%)



Cyan (77%)

Magenta (60%)

Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.1302, 11.8626, 20.4947 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 10.1302, 11.8626, 20.4947 by changing the saturation by 10% instead.

■ 10.1302, 11.8626,
20.4947

■ 10.1302, 11.8626,
20.4947

■ 185.6331,
203.4935, 267.2730

■ 5.5483, 6.6502,
12.5675

■ 25.6876, 29.2446,
45.1149

■ 2.6104, 3.2443,
7.0042

■ 37.3937, 42.1830,
62.6449

■ 0.9513, 1.2606,
3.3862

■ 52.2054, 58.4655,
84.2130

■ 0.0000, 0.1104,
1.2951

■ 70.4879, 78.4765,
110.2377

■ 0.0000, 0.0000,
0.0578

■ 92.6065, 102.6004,
141.1375

■ 0.0000, 0.0000,
0.0000

■ 118.9267,

131.2216, 177.3310

149.8138,
164.7245, 219.2366

■ 10.1302, 11.8626,
20.4947

■ 10.1302, 11.8626,
20.4947

■ 9.0983, 10.7563,
20.3358

■ 11.3540, 13.0970,
20.6687

■ 8.2447, 9.7699,
20.1904

■ 12.7799, 14.4644,
20.8575

■ 7.5555, 8.8962,
20.0580

■ 14.4187, 15.9710,
21.0619

■ 7.0143, 8.1262,
19.9379

■ 16.2800, 17.6222,
21.2825

■ 6.6410, 7.5617,
19.8487

■ 18.3729, 19.4230,
21.5198

■ 20.7059, 21.3781,
21.7742

■ 23.2871, 23.4921,
22.0462

■ 26.1241, 25.7693,
22.3362

■ 29.2243, 28.2138,
22.6446

Harmonies

Analogous

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



9.2566, 11.8626, 17.2033



10.1302, 11.8626, 20.4947



11.3737, 11.8626, 21.6511

Triad

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



10.1302, 11.8626, 20.4947



14.0132, 11.8626, 12.6366



9.9723, 11.8626, 7.6805

Complementary

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



10.1302, 11.8626, 20.4947



11.8269, 10.2646, 5.4961

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.



11.1769, 11.8626, 6.9178



10.1302, 11.8626, 20.4947



13.5674, 11.8626, 9.4082

Square

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



10.1302, 11.8626, 20.4947



13.6791, 11.8626, 16.6192



12.5031, 11.8626, 7.4829



9.1706, 11.8626, 9.8089

Rectangle

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



10.1302, 11.8626, 20.4947



12.2646, 11.8626, 20.9043



12.5031, 11.8626, 7.4829



10.3402, 11.8626, 7.2770

Sweetspot

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



10.1306, 11.8630, 20.4950



27.6485, 30.2339, 37.9351



10.3080, 15.6645, 9.9290



6.3810, 7.0045, 8.9188



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.



10.1306, 11.8630, 20.4950



16.0445, 18.9843, 36.3753



7.6156, 6.8331, 19.6567



4.0015, 4.3013, 5.0625



6.8649, 7.8123, 20.5314



31.9445, 35.6617, 97.6695

Inverse Universe

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



12.1310, 8.2987, 13.5332



20.1929, 12.4409, 21.7478



14.6717, 15.9543, 6.4444



4.1012, 4.0562, 4.7306



10.0484, 4.9955, 8.8119



47.5273, 23.6672, 39.9021

Previews

White Background



This preview shows how the XYZ color 10.1302, 11.8626, 20.4947 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 10.1302, 11.8626, 20.4947 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

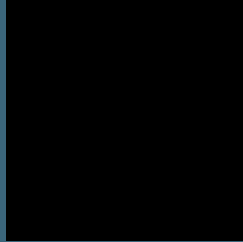
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 10.1302, 11.8626, 20.4947

Background



This preview shows how black text looks on a background with the XYZ color 10.1302, 11.8626, 20.4947.



This preview shows how white text looks on a background with the XYZ color 10.1302, 11.8626,

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

10.1302, 11.8626, 20.4947

Protanopia

11.6766, 11.7166, 18.7856

Deuteranopia

12.1083, 11.8892, 21.0587



Tritanopia

9.4505, 11.8827, 17.1247

Trichromacy



Original Color

10.1302, 11.8626, 20.4947

Protanomaly

10.9823, 11.7537, 19.4592

Deuteranomaly

11.2302, 11.8529, 20.7647

Tritanomaly

9.6335, 11.8022, 18.2933

Monochromacy



Original Color

10.1302, 11.8626, 20.4947

Achromatopsia

10.1725, 10.7023, 11.6548

Achromatomaly

9.9393, 11.0505, 14.4411

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.1302, 11.8626, 20.4947 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(59, 102, 123)` looks like.

```
.text, #text, p{  
    color:rgb(59, 102, 123)  
}
```

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(59, 102, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 102, 123) }
```

Border

The CSS property to change the border of an element to XYZ 10.1302, 11.8626, 20.4947 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(59, 102, 123) }
```


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

```
.border{ border-color:rgb(59, 102, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(59, 102, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 102, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 102, 123);  
box-shadow:4px 4px 4px 4px rgb(59, 102,  
123) }
```

Background

The CSS property to change the background color of an element to XYZ 10.1302, 11.8626, 20.4947 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 102, 123) }
```

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

```
.background{ background-color: rgb(59, 102,  
123) }
```

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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