

Converting Colors

XYZ(10.3483, 12.4199, 20.3319)

Have a look what the booklet for
XYZ(10.3483, 12.4199, 20.3319)
contains.

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Color

**XYZ(10.3681, 12.4381,
20.2667)**

Conversions

Conversions Part 1

Format	Color
Hex	3B697A
RGB	59, 105, 122
RGB Percent	23%, 41%, 48%
CMY	0.7686, 0.5882, 0.5216
CMYK	0.52, 0.14, 0.00, 0.52
HSL	196°, 35%, 35%
HSV	196°, 52%, 48%
XYZ	10.3681, 12.4381, 20.2667
YIQ	93.1840, -32.8730, -4.4650

Conversions

Conversions Part 2

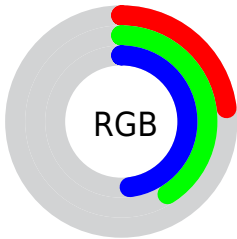
Format	Color
RYB	59, 86, 122
Decimal	3893626
CIELab	41.90, -10.68, -14.36
CIElCh	42, 17.896, 233.350
Yxy	12.4381, 0.2407, 0.2888
Android (android.graphics.Color)	4282083706 (0xFF3B697A)
YUV	93.1840, 14.2063, -29.9794
Hunter-Lab	35.2677, -9.2425, -9.3838




Details

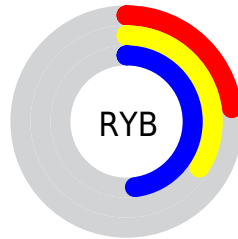
The XYZ color **10.3681, 12.4381, 20.2667** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **11.4003, 9.6227, 5.3947**, and the grayscale version is **10.4212, 10.9639, 11.9397**.




A 20% lighter version of the original color is **26.0840, 30.2124, 44.5012**, and **2.7157, 3.5072, 6.8371** is the 20% darker color. If you saturate the color by 10%, you get **9.3990, 11.4506, 20.1274**, and if you desaturate by 10%, it is **11.5200, 13.5397, 20.4188**.

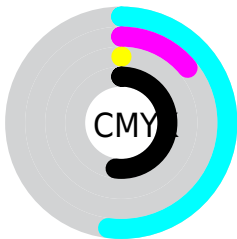
Distribution







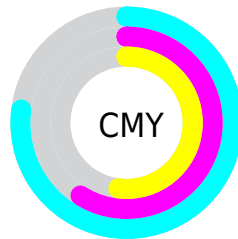
-  Red (23%)
-  Green (41%)
-  Blue (48%)






-  Red (23%)
-  Yellow (34%)
-  Blue (48%)



-  Cyan (52%)
-  Magenta (14%)
-  Yellow (0%)
-  Black (52%)



-  Cyan (77%)
-  Magenta (59%)
-  Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.3681, 12.4381, 20.2667 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 10.3681, 12.4381, 20.2667 by changing the saturation by 10% instead.

■ 10.3681, 12.4381,
20.2667

■ 10.3681, 12.4381,
20.2667

■ 187.2787,
207.2844, 266.0071

■ 5.7078, 7.0428,
12.4031

■ 26.1290, 30.2905,
44.7287

■ 2.7072, 3.4889,
6.8929

■ 37.9604, 43.5165,
62.1642

■ 1.0009, 1.3920,
3.3178

■ 52.9129, 60.1213,
83.6273

■ 0.0000, 0.2108,
1.2591

■ 71.3517, 80.4896,
109.5366

■ 0.0000, 0.0000,
0.0279

■ 93.6424, 105.0057,
140.3108

■ 0.0000, 0.0000,
0.0000

■ 120.1502,

134.0539, 176.3682

151.2405,
168.0187, 218.1275

■ 10.3681, 12.4381,
20.2667

■ 10.3681, 12.4381,
20.2667

■ 9.3990, 11.4506,
20.1274

■ 11.5200, 13.5397,
20.4188

■ 8.5995, 10.5693,
19.9994

■ 12.8645, 14.7597,
20.5835

■ 7.9563, 9.7874,
19.8824

■ 14.4120, 16.1042,
20.7614

■ 7.4534, 9.0965,
19.7755

■ 16.1719, 17.5780,
20.9531

■ 7.0919, 8.5633,
19.6917

■ 18.1528, 19.1858,
21.1591

■ 20.3631, 20.9322,
21.3797

■ 22.8104, 22.8213,
21.6153

■ 25.5022, 24.8571,
21.8664

■ 28.4456, 27.0435,
22.1333

Harmonies

Analogous

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



9.6376, 12.4381, 16.6395



10.3681, 12.4381, 20.2667



11.5300, 12.4381, 22.1414

Triad

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



10.3681, 12.4381, 20.2667



14.5321, 12.4381, 14.4040



10.8425, 12.4381, 7.8965

Complementary

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



10.3681, 12.4381, 20.2667



11.4003, 9.6227, 5.3947

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.



12.1190, 12.4381, 7.5206



10.3681, 12.4381, 20.2667



14.3138, 12.4381, 10.8566

Square

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



10.3681, 12.4381, 20.2667



13.9819, 12.4381, 18.3721



13.4059, 12.4381, 8.4999



9.8969, 12.4381, 9.6442

Rectangle

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



10.3681, 12.4381, 20.2667



12.4190, 12.4381, 21.9369



13.4059, 12.4381, 8.4999



11.2445, 12.4381, 7.6209

Sweetspot

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



10.3685, 12.4386, 20.2670



27.2529, 29.9316, 36.7339



10.0611, 15.3682, 9.2377



6.1116, 6.7437, 8.3862



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.



10.3685, 12.4386, 20.2670



16.2522, 19.8429, 35.3664



7.7458, 7.1931, 19.3927



4.0199, 4.3382, 5.0687



7.4596, 9.0016, 20.7296



34.8510, 41.4747, 98.6384

Inverse Universe

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



12.1402, 8.2859, 14.3245



19.8811, 12.1755, 23.0066



14.1048, 15.0318, 6.2962



4.1105, 4.0599, 4.7797



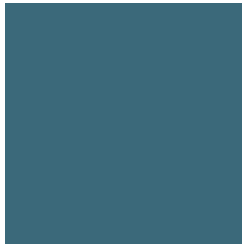
10.3486, 5.1156, 10.3924



48.9943, 24.2541, 47.6277

Previews

White Background



This preview shows how the XYZ color 10.3681, 12.4381, 20.2667 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 10.3681, 12.4381, 20.2667 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 10.3681, 12.4381, 20.2667

Background



This preview shows how black text looks on a background with the XYZ color 10.3681, 12.4381, 20.2667.

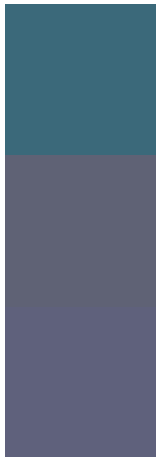


This preview shows how white text looks on a background with the XYZ color 10.3681, 12.4381,

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

10.3681, 12.4381, 20.2667

Protanopia

12.2979, 12.4526, 18.5850

Deuteranopia

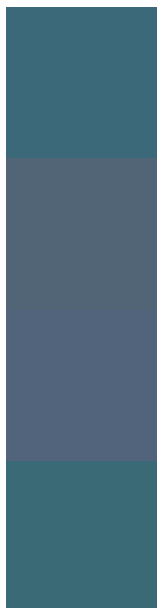
12.6321, 12.4375, 20.8037



Tritanopia

9.9359, 12.4157, 18.0925

Trichromacy



Original Color

10.3681, 12.4381, 20.2667

Protanomaly

11.4631, 12.4331, 19.2484

Deuteranomaly

11.6120, 12.3382, 20.5084

Tritanomaly

10.1690, 12.5156, 19.0193

Monochromacy



Original Color

10.3681, 12.4381, 20.2667

Achromatopsia

10.4043, 10.9462, 11.9204

Achromatomaly

10.1667, 11.2982, 14.7416

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.3681, 12.4381, 20.2667 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, 105, 122)` looks like.

```
.text, #text, p{  
    color:rgb(59, 105, 122)  
}
```

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, 105, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 105, 122) }
```

Border

The CSS property to change the border of an element to XYZ 10.3681, 12.4381, 20.2667 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, 105, 122) }
```


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

```
.border{ border-color:rgb(59, 105, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(59, 105, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 105, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 105, 122);  
box-shadow:4px 4px 4px 4px rgb(59, 105,  
122) }
```

Background

The CSS property to change the background color of an element to XYZ 10.3681, 12.4381, 20.2667 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 105, 122) }
```

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

```
.background{ background-color: rgb(59, 105,  
122) }
```

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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