

Converting Colors

XYZ(10.0341, 13.1578, 20.5511)

Have a look what the booklet for
XYZ(10.0341, 13.1578, 20.5511)
contains.

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Color

**XYZ(10.0340, 13.2054,
20.4324)**

Conversions

Conversions Part 1

Format	Color
Hex	276F7A
RGB	39, 111, 122
RGB Percent	15%, 44%, 48%
CMY	0.8470, 0.5647, 0.5216
CMYK	0.68, 0.09, 0.00, 0.52
HSL	188°, 52%, 32%
HSV	188°, 68%, 48%
XYZ	10.0340, 13.2054, 20.4324
YIQ	90.7260, -46.4430, -11.8430

Conversions

Conversions Part 2

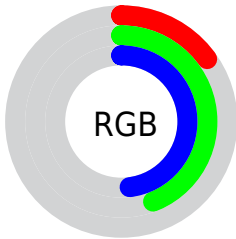
Format	Color
R _{YB}	39, 78, 122
Decimal	2584442
CIE _{Lab}	43.07, -18.31, -12.66
CIE _{LCh}	43, 22.256, 214.657
Y _{xy}	13.2054, 0.2298, 0.3024
Android (android.graphics.Color)	4280774522 (0xFF276F7A)
YUV	90.7260, 15.4181, -45.3637
Hunter-Lab	36.3392, -14.3062, -7.8994




Details

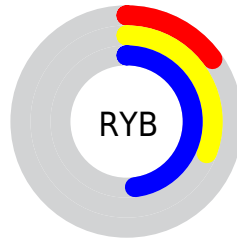
The XYZ color **10.0340, 13.2054, 20.4324** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **9.5332, 6.5656, 2.6847**, and the grayscale version is **9.8560, 10.3693, 11.2921**.




A 20% lighter version of the original color is **25.4565, 31.6833, 44.8182**, and **2.9801, 4.0361, 6.9253** is the 20% darker color. If you saturate the color by 10%, you get **9.4696, 12.6552, 20.3562**, and if you desaturate by 10%, it is **10.7511, 13.8396, 20.5173**.

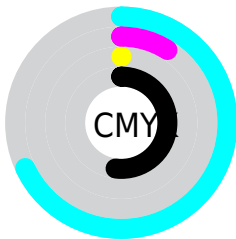
Distribution







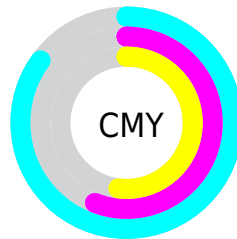
-  Red (15%)
-  Green (44%)
-  Blue (48%)






-  Red (15%)
-  Yellow (31%)
-  Blue (48%)



-  Cyan (68%)
-  Magenta (9%)
-  Yellow (0%)
-  Black (52%)



-  Cyan (85%)
-  Magenta (56%)
-  Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.0340, 13.2054, 20.4324 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 10.0340, 13.2054, 20.4324 by changing the saturation by 10% instead.

10.0340, 13.2054,
20.4324

10.0340, 13.2054,
20.4324

184.9631,
212.2299, 266.9277

5.4839, 7.5701,
12.5226

25.5085, 31.6723,
45.0094

2.5716, 3.8211,
6.9738

37.1637, 45.2727,
62.5137

0.9315, 1.5740,
3.3675

51.9180, 62.2970,
84.0531

0.0000, 0.3400,
1.2852

70.1367, 83.1295,
110.0464

0.0000, 0.0000,
0.0496

92.1852, 108.1547,
140.9119

0.0000, 0.0000,
0.0000

118.4289,

137.7569, 177.0683

149.2331,
172.3205, 218.9340

■ 10.0340, 13.2054,
20.4324

■ 10.0340, 13.2054,
20.4324

■ 9.4696, 12.6552,
20.3562

■ 10.7511, 13.8396,
20.5173

■ 9.0417, 12.1798,
20.2870

■ 11.6326, 14.5631,
20.6105

■ 8.7127, 11.7600,
20.2233

■ 12.6904, 15.3823,
20.7128

■ 8.6498, 11.6789,
20.2110

■ 13.9350, 16.3025,
20.8248

■ 15.3760, 17.3288,
20.9470

■ 17.0223, 18.4659,
21.0797

■ 18.8825, 19.7181,
21.2234

■ 20.9644, 21.0895,
21.3783

■ 23.2756, 22.5840,
21.5450

Harmonies

Analogous

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



9.5484, 13.2054, 15.1574



10.0340, 13.2054, 20.4324



11.1946, 13.2054, 24.6905

Triad

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



10.0340, 13.2054, 20.4324



15.7671, 13.2054, 18.8023



12.2860, 13.2054, 6.8812

Complementary

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



10.0340, 13.2054, 20.4324



9.5332, 6.5656, 2.6847

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.



14.0135, 13.2054, 7.4312



10.0340, 13.2054, 20.4324



16.1259, 13.2054, 13.6266

Square

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



10.0340, 13.2054, 20.4324



14.5176, 13.2054, 23.6092



15.4580, 13.2054, 9.6567



10.7712, 13.2054, 7.9351

Rectangle

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



10.0340, 13.2054, 20.4324



12.2474, 13.2054, 25.9536



15.4580, 13.2054, 9.6567



12.8603, 13.2054, 6.8872

Sweetspot

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



10.0344, 13.2059, 20.4327



26.3960, 30.0257, 36.7972



8.3443, 14.5698, 5.2437



5.9028, 6.7714, 8.4026



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.



10.0344, 13.2059, 20.4327



16.1847, 21.7515, 35.7383



6.5915, 6.3201, 19.2851



4.0639, 4.4262, 5.0833



9.1024, 12.2873, 21.2772



42.9724, 57.7174, 101.3455

Inverse Universe

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



11.6212, 6.7367, 15.7273



19.3482, 10.0523, 26.0885



12.0642, 11.6278, 3.5284



4.1327, 4.0688, 4.8966



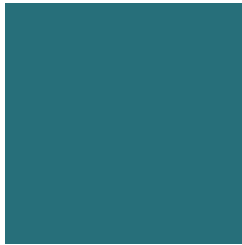
11.1778, 5.4473, 14.7592



53.0936, 25.8938, 69.2141

Previews

White Background



This preview shows how the XYZ color 10.0340, 13.2054, 20.4324 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 10.0340, 13.2054, 20.4324 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

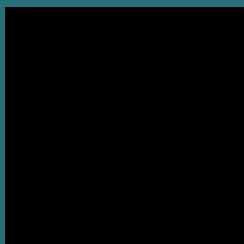
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 10.0340, 13.2054, 20.4324

Background



This preview shows how black text looks on a background with the XYZ color 10.0340, 13.2054, 20.4324.

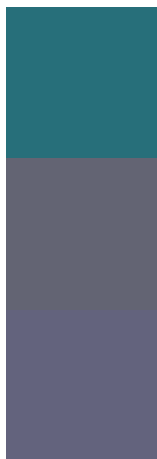


This preview shows how white text looks on a background with the XYZ color 10.0340, 13.2054,

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

10.0340, 13.2054, 20.4324

Protanopia

12.7973, 13.0048, 18.0553

Deuteranopia

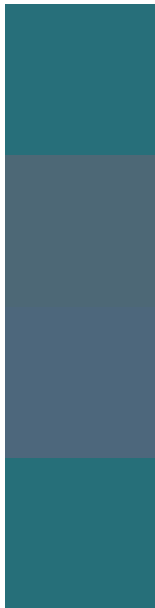
13.3091, 13.0570, 21.2208



Tritanopia

9.8739, 13.1370, 19.7846

Trichromacy



Original Color

10.0340, 13.2054, 20.4324

Protanomaly

11.2809, 12.7864, 19.0130

Deuteranomaly

11.5489, 12.7335, 20.9179

Tritanomaly

9.9350, 13.1614, 20.1059

Monochromacy



Original Color

10.0340, 13.2054, 20.4324

Achromatopsia

9.9438, 10.4616, 11.3927

Achromatomaly

9.4384, 11.0724, 14.2101

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.0340, 13.2054, 20.4324 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(39, 111, 122)` looks like.

```
.text, #text, p{  
    color:rgb(39, 111, 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(39, 111, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(39, 111, 122) }
```

Border

The CSS property to change the border of an element to XYZ 10.0340, 13.2054, 20.4324 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(39, 111, 122) }
```


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

```
.border{ border-color:rgb(39, 111, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(39, 111, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(39, 111, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(39, 111, 122);  
box-shadow:4px 4px 4px 4px rgb(39, 111,  
122) }
```

Background

The CSS property to change the background color of an element to XYZ 10.0340, 13.2054, 20.4324 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(39, 111, 122) }
```

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

```
.background{ background-color: rgb(39, 111,  
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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