

Converting Colors

XYZ(10.2030, 12.6681, 17.9802)

Have a look what the booklet for
XYZ(10.2030, 12.6681, 17.9802)
contains.

XYZ(10.2767, 12.7453, 18.1381)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(10.2767, 12.7453,
18.1381)**

Conversions

Conversions Part 1

Format	Color
Hex	3D6B73
RGB	61, 107, 115
RGB Percent	24%, 42%, 45%
CMY	0.7608, 0.5804, 0.5490
CMYK	0.47, 0.07, 0.00, 0.55
HSL	189°, 31%, 35%
HSV	189°, 47%, 45%
XYZ	10.2767, 12.7453, 18.1381
YIQ	94.1580, -29.9840, -7.2640

Conversions

Conversions Part 2

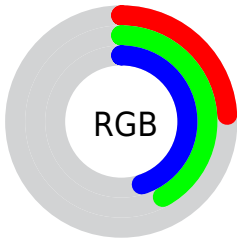
Format	Color
RYB	61, 86, 115
Decimal	4025203
CIELab	42.38, -13.42, -9.40
CIElCh	42, 16.386, 214.988
Yxy	12.7453, 0.2497, 0.3097
Android (android.graphics.Color)	4282215283 (0xFF3D6B73)
YUV	94.1580, 10.2751, -29.0796
Hunter-Lab	35.7006, -11.0933, -5.1326

Details

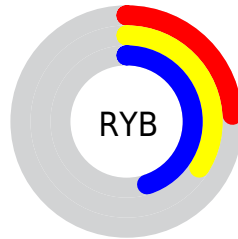
The XYZ color **10.2767, 12.7453, 18.1381** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **10.0409, 8.2383, 5.4762**, and the grayscale version is **10.6586, 11.2137, 12.2117**.

A 20% lighter version of the original color is **25.8840, 30.6885, 41.1185**, and **2.6916, 3.6692, 5.8766** is the 20% darker color. If you saturate the color by 10%, you get **9.4676, 12.0674, 18.0501**, and if you desaturate by 10%, it is **11.2420, 13.5095, 18.2350**.

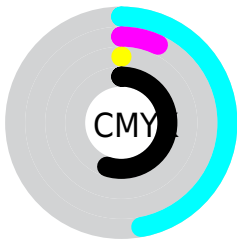
Distribution



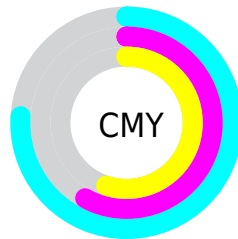
- Red (24%)
- Green (42%)
- Blue (45%)



- Red (24%)
- Yellow (34%)
- Blue (45%)



- Cyan (47%)
- Magenta (7%)
- Yellow (0%)
- Black (55%)



- Cyan (76%)
- Magenta (58%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.2767, 12.7453, 18.1381 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 10.2767, 12.7453, 18.1381 by changing the saturation by 10% instead.

10.2767, 12.7453,
18.1381

10.2767, 12.7453,
18.1381

186.6483,
209.2788, 253.9105

5.6465, 7.2534,
10.8787

25.9596, 30.8454,
41.0896

2.6699, 3.6211,
5.8722

37.7431, 44.2225,
57.6188

0.9817, 1.4639,
2.7000

52.6416, 60.9967,
78.0751

0.0000, 0.2631,
0.9434

71.0206, 81.5524,
102.8769

0.0000, 0.0000,
0.0000

93.2454, 106.2741,
132.4428

119.6814,

135.5461, 167.1913

150.6939,
169.7529, 207.5410

■ 10.2767, 12.7453,
18.1381

■ 10.2767, 12.7453,
18.1381

■ 9.4676, 12.0674,
18.0501

■ 11.2420, 13.5095,
18.2350

■ 8.8036, 11.4692,
17.9697

■ 12.3711, 14.3631,
18.3402

■ 8.2742, 10.9455,
17.8965

■ 13.6729, 15.3109,
18.4545

■ 7.8668, 10.4898,
17.8300

■ 15.1549, 16.3570,
18.5783

■ 7.5515, 10.0867,
17.7688

■ 16.8245, 17.5050,
18.7119

■ 7.4590, 9.9667,
17.7505

■ 18.6883, 18.7585,
18.8557

■ 20.7530, 20.1210,
19.0098

■ 23.0246, 21.5955,
19.1747

■ 25.5091, 23.1852,
19.3506

Harmonies

Analogous

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



9.9060, 12.7453, 14.4752



10.2767, 12.7453, 18.1381



11.1407, 12.7453, 20.9706

Triad

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



10.2767, 12.7453, 18.1381



14.3878, 12.7453, 16.9450



11.9094, 12.7453, 8.1611

Complementary

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



10.2767, 12.7453, 18.1381



10.0409, 8.2383, 5.4762

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.



13.1425, 12.7453, 8.5968



10.2767, 12.7453, 18.1381



14.6280, 12.7453, 13.2964

Square

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



10.2767, 12.7453, 18.1381



13.5224, 12.7453, 20.2040



14.1582, 12.7453, 10.3425



10.8070, 12.7453, 9.0322

Rectangle

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



10.2767, 12.7453, 18.1381



11.9084, 12.7453, 21.7837



14.1582, 12.7453, 10.3425



12.3220, 12.7453, 8.1613

Sweetspot

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



10.2771, 12.7458, 18.1384



25.1386, 27.8842, 33.1018



9.1050, 13.6737, 7.6607



5.8909, 6.5764, 7.8879



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.



10.2771, 12.7458, 18.1384



16.8856, 21.5499, 32.3141



7.9469, 8.0855, 17.3617



3.7393, 4.0673, 4.6782



8.5151, 11.3699, 20.2884



41.0041, 54.4248, 98.7042

Inverse Universe

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



11.3932, 8.0443, 14.8626



19.2057, 12.2805, 25.3913



12.0231, 12.2026, 6.1369



3.8044, 3.7491, 4.4970



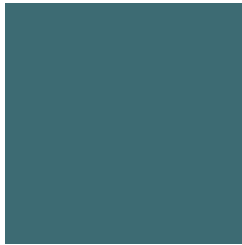
10.5952, 5.1718, 13.6082



51.3837, 25.1036, 65.0092

Previews

White Background



This preview shows how the XYZ color 10.2767, 12.7453, 18.1381 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 10.2767, 12.7453, 18.1381 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 10.2767, 12.7453, 18.1381

Background



This preview shows how black text looks on a background with the XYZ color 10.2767, 12.7453, 18.1381.



This preview shows how white text looks on a background with the XYZ color 10.2767, 12.7453,

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

10.2767, 12.7453, 18.1381

Protanopia

12.3133, 12.6461, 16.5438

Deuteranopia

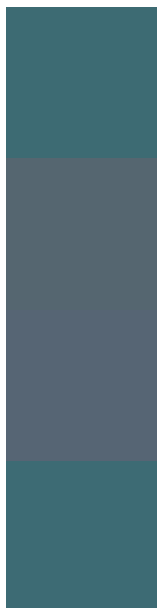
12.8524, 12.6004, 18.5844



Tritanopia

10.3345, 12.7684, 18.4429

Trichromacy



Original Color

10.2767, 12.7453, 18.1381

Protanomaly

11.4223, 12.6039, 17.1600

Deuteranomaly

11.6438, 12.5467, 18.3311

Tritanomaly

10.3345, 12.7684, 18.4429

Monochromacy



Original Color

10.2767, 12.7453, 18.1381

Achromatopsia

10.6392, 11.1932, 12.1894

Achromatomaly

10.3398, 11.6768, 14.2793

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.2767, 12.7453, 18.1381 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(61, 107, 115)` looks like.

```
.text, #text, p{  
    color:rgb(61, 107, 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(61, 107, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 107, 115) }
```

Border

The CSS property to change the border of an element to XYZ 10.2767, 12.7453, 18.1381 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(61, 107, 115) }
```


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

```
.border{ border-color:rgb(61, 107, 115) }
```

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

Here you see how a box with a 4 pixel rgb(61, 107, 115) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 107, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 107, 115);  
box-shadow:4px 4px 4px 4px rgb(61, 107,  
115) }
```

Background

The CSS property to change the background color of an element to XYZ 10.2767, 12.7453, 18.1381 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 107, 115) }
```

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

```
.background{ background-color: rgb(61, 107,  
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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