

Converting Colors

XYZ(10.1464, 12.4173, 17.6926)

Have a look what the booklet for
XYZ(10.1464, 12.4173, 17.6926)
contains.

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Color

**XYZ(10.1387, 12.3748,
17.7738)**

Conversions

Conversions Part 1

Format	Color
Hex	3F6972
RGB	63, 105, 114
RGB Percent	25%, 41%, 45%
CMY	0.7529, 0.5882, 0.5529
CMYK	0.45, 0.08, 0.00, 0.55
HSL	191°, 29%, 35%
HSV	191°, 45%, 45%
XYZ	10.1387, 12.3748, 17.7738
YIQ	93.4680, -27.9210, -6.1050

Conversions

Conversions Part 2

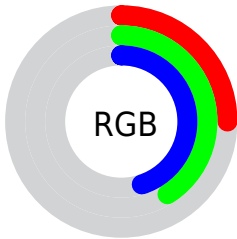
Format	Color
RYB	63, 86, 114
Decimal	4155762
CIELab	41.81, -12.03, -9.64
CIELCh	42, 15.418, 218.696
Yxy	12.3748, 0.2517, 0.3072
Android (android.graphics.Color)	4282345842 (0xFF3F6972)
YUV	93.4680, 10.1223, -26.7204
Hunter-Lab	35.1778, -10.1152, -5.3321




Details

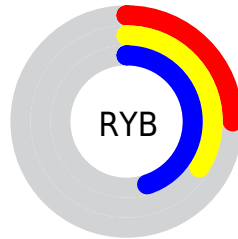
The XYZ color **10.1387, 12.3748, 17.7738** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **10.1542, 8.5711, 5.8221**, and the grayscale version is **10.4960, 11.0426, 12.0254**.




A 20% lighter version of the original color is **25.7108, 30.1075, 40.5326**, and **2.6216, 3.4840, 5.6886** is the 20% darker color. If you saturate the color by 10%, you get **9.2823, 11.6330, 17.6760**, and if you desaturate by 10%, it is **11.1515, 13.2050, 17.8809**.

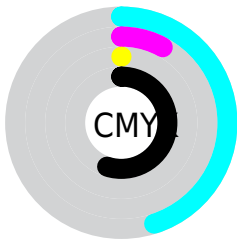
Distribution







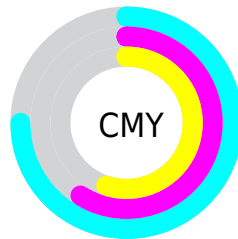
-  Red (25%)
-  Green (41%)
-  Blue (45%)






-  Red (25%)
-  Yellow (34%)
-  Blue (45%)



-  Cyan (45%)
-  Magenta (8%)
-  Yellow (0%)
-  Black (55%)



-  Cyan (75%)
-  Magenta (59%)
-  Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.1387, 12.3748, 17.7738 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 10.1387, 12.3748, 17.7738 by changing the saturation by 10% instead.

■ 10.1387, 12.3748,
17.7738

■ 10.1387, 12.3748,
17.7738

■ 185.6921,
206.8710, 251.7861

■ 5.5540, 6.9995,
10.6200

■ 25.7034, 30.1759,
40.4602

■ 2.6139, 3.4618,
5.7010

■ 37.4140, 43.3705,
56.8299

■ 0.9530, 1.3773,
2.5983

■ 52.2307, 59.9403,
77.1086

■ 0.0000, 0.1999,
0.8916

■ 70.5188, 80.2696,
101.7148

■ 0.0000, 0.0000,
0.0000

■ 92.6437, 104.7430,
131.0671

■ 118.9706,

133.7448, 165.5841

149.8650,
167.6593, 205.6842

■ 10.1387, 12.3748,
17.7738

■ 10.1387, 12.3748,
17.7738

■ 9.2823, 11.6330,
17.6760

■ 11.1515, 13.2050,
17.8809

■ 8.5719, 10.9733,
17.5861

■ 12.3281, 14.1266,
17.9967

■ 7.9971, 10.3907,
17.5039

■ 13.6770, 15.1443,
18.1221

■ 7.5463, 9.8790,
17.4289

■ 15.2056, 16.2619,
18.2573

■ 7.1996, 9.4280,
17.3601

■ 16.9209, 17.4832,
18.4026

■ 7.0298, 9.1999,
17.3251

■ 18.8294, 18.8116,
18.5584

■ 20.9375, 20.2503,
18.7250

■ 23.2511, 21.8025,
18.9026

■ 25.7760, 23.4712,
19.0917

Harmonies

Analogous

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



9.7328, 12.3748, 14.4417



10.1387, 12.3748, 17.7738



10.9863, 12.3748, 20.1801

Triad

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



10.1387, 12.3748, 17.7738



13.9157, 12.3748, 15.8761



11.4348, 12.3748, 8.1897

Complementary

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



10.1387, 12.3748, 17.7738



10.1542, 8.5711, 5.8221

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.



12.5732, 12.3748, 8.4474



10.1387, 12.3748, 17.7738



14.0550, 12.3748, 12.5506

Square

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



10.1387, 12.3748, 17.7738



13.1804, 12.3748, 18.9676



13.5497, 12.3748, 9.9305



10.4489, 12.3748, 9.1590

Rectangle

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



10.1387, 12.3748, 17.7738



11.7122, 12.3748, 20.7425



13.5497, 12.3748, 9.9305



11.8117, 12.3748, 8.1394

Sweetspot

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



10.1391, 12.3753, 17.7741



24.3913, 26.8771, 31.8777



9.2209, 13.5530, 8.1760



5.5368, 6.1386, 7.3628



55.7959, 58.7016, 63.9261



6.5000, 6.8385, 7.4471

Same Dimension

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



10.1391, 12.3753, 17.7741



16.2222, 20.3622, 31.0508



7.9561, 8.0093, 17.0464



3.4274, 3.7200, 4.2916



7.8148, 10.2198, 19.2823



38.3654, 49.7826, 95.8661

Inverse Universe

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



11.2670, 8.1526, 14.3449



18.5535, 12.1408, 23.8495



12.1116, 12.4859, 6.4745



3.4904, 3.4439, 4.1091



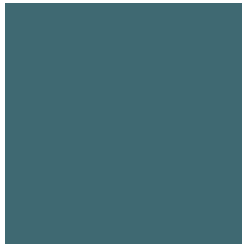
9.9629, 4.8775, 12.1463



49.3450, 24.1833, 59.0085

Previews

White Background



This preview shows how the XYZ color 10.1387, 12.3748, 17.7738 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 10.1387, 12.3748, 17.7738 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

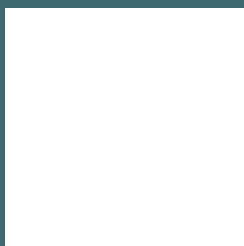
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 10.1387, 12.3748, 17.7738

Background



This preview shows how black text looks on a background with the XYZ color 10.1387, 12.3748, 17.7738.



This preview shows how white text looks on a background with the XYZ color 10.1387, 12.3748,

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

10.1387, 12.3748, 17.7738

Protanopia

12.0578, 12.3809, 16.2222

Deuteranopia

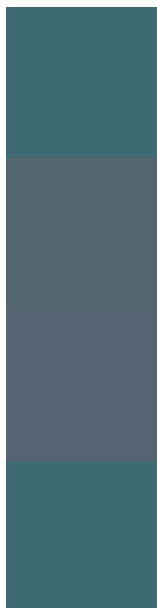
12.4808, 12.2793, 18.2353



Tritanopia

10.1387, 12.3748, 17.7738

Trichromacy



Original Color

10.1387, 12.3748, 17.7738

Protanomaly

11.2692, 12.3864, 16.8358

Deuteranomaly

11.3941, 12.1399, 17.9624

Tritanomaly

10.1387, 12.3748, 17.7738

Monochromacy



Original Color

10.1387, 12.3748, 17.7738

Achromatopsia

10.4043, 10.9462, 11.9204

Achromatomaly

10.1033, 11.2828, 13.9572

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.1387, 12.3748, 17.7738 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(63, 105, 114) looks like.

```
.text, #text, p{  
    color:rgb(63, 105, 114)  
}
```

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(63, 105, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 105, 114) }
```

Border

The CSS property to change the border of an element to XYZ 10.1387, 12.3748, 17.7738 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(63, 105, 114) }
```


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

```
.border{ border-color:rgb(63, 105, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 105, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 105, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 105, 114);  
box-shadow:4px 4px 4px 4px rgb(63, 105,  
114) }
```

Background

The CSS property to change the background color of an element to XYZ 10.1387, 12.3748, 17.7738 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 105, 114) }
```

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

```
.background{ background-color: rgb(63, 105,  
114) }
```

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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