

Converting Colors

XYZ(10.5717, 14.6167, 19.6949)

Have a look what the booklet for
XYZ(10.5717, 14.6167, 19.6949)
contains.

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Color

**XYZ(10.6075, 14.7008,
19.7312)**

Conversions

Conversions Part 1

Format	Color
Hex	267677
RGB	38, 118, 119
RGB Percent	15%, 46%, 47%
CMY	0.8510, 0.5372, 0.5333
CMYK	0.68, 0.01, 0.00, 0.53
HSL	181°, 52%, 31%
HSV	181°, 68%, 47%
XYZ	10.6075, 14.7008, 19.7312
YIQ	94.1940, -48.0010, -16.6490

Conversions

Conversions Part 2

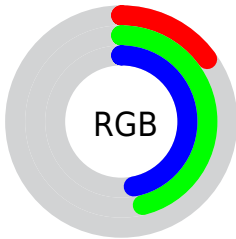
Format	Color
R_{YB}	38, 78, 119
Decimal	2520695
CIE _{Lab}	45.22, -23.16, -7.62
CIE _{LCh}	45, 24.380, 198.221
Yxy	14.7008, 0.2355, 0.3264
Android (android.graphics.Color)	4280710775 (0xFF267677)
YUV	94.1940, 12.2294, -49.2821
Hunter-Lab	38.3416, -17.7145, -3.6724




Details

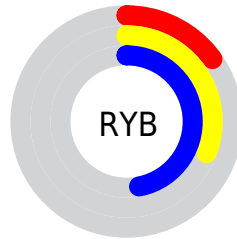
The XYZ color **10.6075, 14.7008, 19.7312** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **8.6834, 5.5132, 2.4406**, and the grayscale version is **10.6658, 11.2212, 12.2199**.




A 20% lighter version of the original color is **26.6329, 34.4990, 43.7833**, and **3.2655, 4.7112, 6.6985** is the 20% darker color. If you saturate the color by 10%, you get **10.2199, 14.4756, 19.7084**, and if you desaturate by 10%, it is **11.1364, 14.9995, 19.7612**.

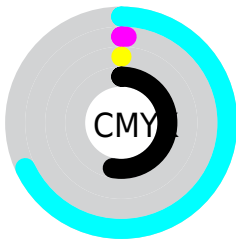
Distribution







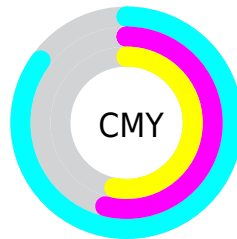
-  Red (15%)
-  Green (46%)
-  Blue (47%)






-  Red (15%)
-  Yellow (31%)
-  Blue (47%)



-  Cyan (68%)
-  Magenta (1%)
-  Yellow (0%)
-  Black (53%)



-  Cyan (85%)
-  Magenta (54%)
-  Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.6075, 14.7008, 19.7312 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 10.6075, 14.7008, 19.7312 by changing the saturation by 10% instead.

■ 10.6075, 14.7008,
19.7312

■ 10.6075, 14.7008,
19.7312

188.9190,
221.5480, 263.0121

■ 5.8689, 8.6097,
12.0177

■ 26.5715, 34.3274,
43.8191

■ 2.8054, 4.4875,
6.6330

■ 38.5276, 48.6317,
61.0305

■ 1.0517, 1.9498,
3.1587

■ 53.6202, 66.4425,
82.2450

■ 0.0000, 0.5781,
1.1762

■ 72.2148, 88.1442,
107.8811

■ 0.0000, 0.0000,
0.0000

■ 94.6766, 114.1213,
138.3573

■ 121.3710,

144.7580, 174.0922

152.6633,
180.4387, 215.5043

■ 10.6075, 14.7008,
19.7312

■ 10.6075, 14.7008,
19.7312

■ 10.2199, 14.4756,
19.7084

■ 11.1364, 14.9995,
19.7612

■ 9.9582, 14.3152,
19.6913

■ 11.8174, 15.3763,
19.7981

■ 9.7856, 14.2006,
19.6782

■ 12.6618, 15.8373,
19.8426

■ 9.7534, 14.1791,
19.6758

■ 13.6793, 16.3876,
19.8952

■ 14.8789, 17.0319,
19.9563

■ 16.2692, 17.7745,
20.0264

■ 17.8581, 18.6195,
20.1057

■ 19.6529, 19.5707,
20.1947

■ 21.6607, 20.6318,
20.2937

Harmonies

Analogous

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



10.5140, 14.7008, 13.8476



10.6075, 14.7008, 19.7312



11.5480, 14.7008, 25.7840

Triad

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



10.6075, 14.7008, 19.7312



17.0642, 14.7008, 24.5918



14.7782, 14.7008, 7.4190

Complementary

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



10.6075, 14.7008, 19.7312



8.6834, 5.5132, 2.4406

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.



16.7150, 14.7008, 9.0785



10.6075, 14.7008, 19.7312



18.1171, 14.7008, 18.3792

Square

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



10.6075, 14.7008, 19.7312



15.2189, 14.7008, 29.0220



17.9835, 14.7008, 12.7831



12.7964, 14.7008, 7.6139

Rectangle

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



10.6075, 14.7008, 19.7312



12.5845, 14.7008, 28.6732



17.9835, 14.7008, 12.7831



15.4594, 14.7008, 7.7583

Sweetspot

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



10.6079, 14.7014, 19.7316



26.0877, 30.2011, 35.7075



7.7463, 13.7460, 4.0790



6.0640, 7.0938, 8.4563



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.



10.6079, 14.7014, 19.7316



17.9933, 25.7355, 35.2722



6.8895, 7.2645, 18.4921



3.7796, 4.1479, 4.6917



10.3617, 15.0632, 20.9039



50.4447, 73.3059, 101.8510

Inverse Universe

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



11.5712, 6.6165, 17.8073



19.8694, 10.1859, 31.4805



10.7180, 9.5824, 3.1188



3.8248, 3.7572, 4.6041



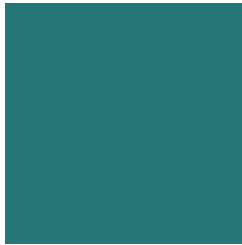
11.5273, 5.5446, 18.5166



56.1489, 27.0097, 90.1023

Previews

White Background



This preview shows how the XYZ color 10.6075, 14.7008, 19.7312 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 10.6075, 14.7008, 19.7312 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 10.6075, 14.7008, 19.7312

Background



This preview shows how black text looks on a background with the XYZ color 10.6075, 14.7008, 19.7312.

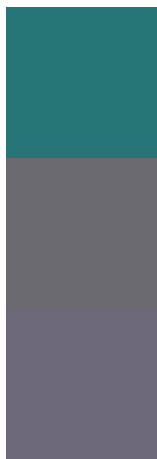


This preview shows how white text looks on a background with the XYZ color 10.6075, 14.7008,

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

10.6075, 14.7008, 19.7312

Protanopia

14.1421, 14.6037, 17.4027

Deuteranopia

14.7698, 14.5570, 20.4437



Tritanopia

11.0820, 14.7212, 21.9961

Trichromacy



Original Color

10.6075, 14.7008, 19.7312

Protanomaly

12.1501, 14.1835, 18.3170

Deuteranomaly

12.4871, 14.1568, 20.1635

Tritanomaly

10.8509, 14.6241, 20.9897

Monochromacy



Original Color

10.6075, 14.7008, 19.7312

Achromatopsia

10.6392, 11.1932, 12.1894

Achromatomaly

10.1225, 12.1356, 14.6409

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.6075, 14.7008, 19.7312 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(38, 118, 119)` looks like.

```
.text, #text, p{  
    color:rgb(38, 118, 119)  
}
```

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(38, 118, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(38, 118, 119) }
```

Border

The CSS property to change the border of an element to XYZ 10.6075, 14.7008, 19.7312 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(38, 118, 119) }
```


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

```
.border{ border-color:rgb(38, 118, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(38, 118, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(38, 118, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(38, 118, 119);  
box-shadow:4px 4px 4px 4px rgb(38, 118,  
119) }
```

Background

The CSS property to change the background color of an element to XYZ 10.6075, 14.7008, 19.7312 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(38, 118, 119) }
```

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

```
.background{ background-color: rgb(38, 118,  
119) }
```

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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