

Converting Colors

XYZ(10.6071, 17.8670, 12.7090)

Have a look what the booklet for
XYZ(10.6071, 17.8670, 12.7090)
contains.

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Color

**XYZ(10.6446, 17.9247,
12.7963)**

Conversions

Conversions Part 1

Format	Color
Hex	11865B
RGB	17, 134, 91
RGB Percent	7%, 53%, 36%
CMY	0.9333, 0.4745, 0.6431
CMYK	0.87, 0.00, 0.32, 0.47
HSL	158°, 77%, 30%
HSV	158°, 87%, 53%
XYZ	10.6446, 17.9247, 12.7963
YIQ	94.1150, -55.9290, -38.1770

Conversions

Conversions Part 2

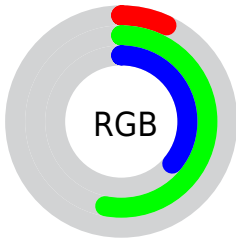
Format	Color
RYB	17, 89, 134
Decimal	1148507
CIELab	49.40, -40.91, 14.80
CIElCh	49, 43.503, 160.108
Yxy	17.9247, 0.2573, 0.4333
Android (android.graphics.Color)	4279338587 (0xFF11865B)
YUV	94.1150, -1.5357, -67.6299
Hunter-Lab	42.3376, -29.2119, 11.7162

Details

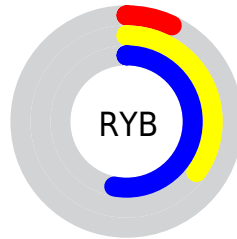
The XYZ color **10.6446, 17.9247, 12.7963** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **10.8482, 5.7959, 4.8229**, and the grayscale version is **10.6802, 11.2364, 12.2364**.

A 20% lighter version of the original color is **26.6287, 39.8680, 31.4911**, and **3.5669, 6.3760, 3.5253** is the 20% darker color. If you saturate the color by 10%, you get **10.2533, 17.7472, 11.7053**, and if you desaturate by 10%, it is **11.1807, 18.1762, 13.9676**.

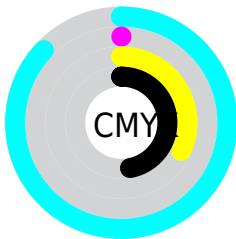
Distribution



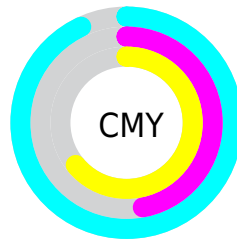
- Red (7%)
- Green (53%)
- Blue (36%)



- Red (7%)
- Yellow (35%)
- Blue (53%)



- Cyan (87%)
- Magenta (0%)
- Yellow (32%)
- Black (47%)



- Cyan (93%)
- Magenta (47%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.6446, 17.9247, 12.7963 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 10.6446, 17.9247, 12.7963 by changing the saturation by 10% instead.

■ 10.6446, 17.9247,
12.7963

■ 10.6446, 17.9247,
12.7963

189.1719,
240.4463, 220.7698

■ 5.8939, 10.8959,
7.1594

■ 26.6399, 39.9090,
31.6231

■ 2.8207, 5.9969,
3.4820

■ 38.6152, 55.6333,
45.6501

■ 1.0597, 2.8432,
1.3457

■ 53.7294, 75.0249,
63.3109

■ 0.0000, 1.0504,
0.0988

■ 72.3480, 98.4682,
85.0239

■ 0.0000, 0.0000,
0.0000

■ 94.8361, 126.3476,
111.2078

■ 121.5592,

159.0475, 142.2810

152.8827,
196.9522, 178.6622

■ 10.6446, 17.9247,
12.7963

■ 10.6446, 17.9247,
12.7963

■ 10.2533, 17.7472,
11.7053

■ 11.1807, 18.1762,
13.9676

■ 10.1552, 17.7028,
11.4243

■ 11.8975, 18.5187,
15.2212

■ 12.8145, 18.9627,
16.5597

■ 13.9481, 19.5168,
17.9850

■ 15.3130, 20.1883,
19.4991

■ 16.9225, 20.9842,
21.1039

■ 18.7890, 21.9108,
22.8012

■ 20.9240, 22.9740,
24.5926

■ 23.3382, 24.1793,
26.4798

Harmonies

Analogous

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



12.4442, 17.9247, 6.8372



10.6446, 17.9247, 12.7963



10.3922, 17.9247, 23.7558

Triad

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



10.6446, 17.9247, 12.7963



18.4590, 17.9247, 51.2685



23.8090, 17.9247, 8.2822

Complementary

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



10.6446, 17.9247, 12.7963



10.8482, 5.7959, 4.8229

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.



26.0407, 17.9247, 15.8150



10.6446, 17.9247, 12.7963



22.6398, 17.9247, 42.3911

Square

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



10.6446, 17.9247, 12.7963



14.4918, 17.9247, 49.3937



25.5815, 17.9247, 28.2551



19.8637, 17.9247, 5.0503

Rectangle

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



10.6446, 17.9247, 12.7963



11.0843, 17.9247, 33.1819



25.5815, 17.9247, 28.2551



24.8110, 17.9247, 10.2375

Sweetspot

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



10.6451, 17.9254, 12.7967



30.0414, 37.0830, 37.3965



10.6041, 18.1108, 3.4674



6.5700, 8.2564, 8.2356



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



10.6451, 17.9254, 12.7967



17.8168, 31.1594, 19.7326



11.2935, 15.3585, 24.9243



4.7309, 5.2506, 5.5942



9.5219, 16.5916, 10.7335



0.0365, 0.0589, 0.0558

Inverse Universe

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



10.8482, 5.7959, 4.8229



18.2400, 9.2970, 5.6437



10.4142, 6.0711, 1.1535



4.7381, 4.7149, 5.2332



9.7430, 4.9615, 3.2188



0.0371, 0.0185, 0.0285

Previews

White Background



This preview shows how the XYZ color 10.6446, 17.9247, 12.7963 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 10.6446, 17.9247, 12.7963 looks on a black 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

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

XYZ 10.6446, 17.9247, 12.7963

Background



This preview shows how black text looks on a background with the XYZ color 10.6446, 17.9247, 12.7963.



This preview shows how white text looks on a background with the XYZ color 10.6446, 17.9247,

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

10.6446, 17.9247, 12.7963

Protanopia

16.5268, 17.7827, 10.7450

Deuteranopia

17.8972, 17.5838, 13.5171



Tritanopia

13.5255, 17.9017, 26.7873

Trichromacy



Original Color

10.6446, 17.9247, 12.7963

Protanomaly

12.6004, 16.8162, 11.3858

Deuteranomaly

13.1505, 16.5164, 13.0846

Tritanomaly

12.1968, 17.7391, 20.8703

Monochromacy



Original Color

10.6446, 17.9247, 12.7963

Achromatopsia

10.6392, 11.1932, 12.1894

Achromatomaly

9.6912, 12.8858, 12.3324

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.6446, 17.9247, 12.7963 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(17, 134, 91)` looks like.

```
.text, #text, p{  
    color:rgb(17, 134, 91)  
}
```

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(17, 134, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(17, 134, 91) }
```

Border

The CSS property to change the border of an element to XYZ 10.6446, 17.9247, 12.7963 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(17, 134, 91) }
```


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

```
.border{ border-color:rgb(17, 134, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(17, 134, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(17, 134, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(17, 134, 91);  
box-shadow:4px 4px 4px 4px rgb(17, 134,  
91) }
```

Background

The CSS property to change the background color of an element to XYZ 10.6446, 17.9247, 12.7963 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(17, 134, 91) }
```

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

```
.background{ background-color: rgb(17, 134,  
91) }
```

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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