

Converting Colors

XYZ(9.6799, 15.6360, 11.7314)

Have a look what the booklet for
XYZ(9.6799, 15.6360, 11.7314)
contains.

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Color

**XYZ(9.7223, 15.6951,
11.7496)**

Conversions

Conversions Part 1

Format	Color
Hex	217D58
RGB	33, 125, 88
RGB Percent	13%, 49%, 35%
CMY	0.8706, 0.5098, 0.6549
CMYK	0.74, 0.00, 0.30, 0.51
HSL	156°, 58%, 31%
HSV	156°, 74%, 49%
XYZ	9.7223, 15.6951, 11.7496
YIQ	93.2740, -42.9550, -31.0110

Conversions

Conversions Part 2

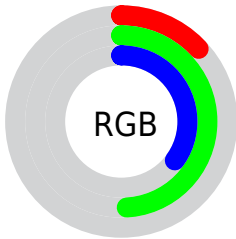
Format	Color
R_{YB}	33, 91, 125
Decimal	2194776
CIE _{Lab}	46.57, -35.87, 12.66
CIE _{LCh}	47, 38.040, 160.553
Yxy	15.6951, 0.2616, 0.4223
Android (android.graphics.Color)	4280384856 (0xFF217D58)
YUV	93.2740, -2.6001, -52.8603
Hunter-Lab	39.6170, -25.5247, 10.1477

Details

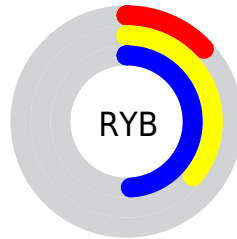
The XYZ color **9.7223, 15.6951, 11.7496** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **10.1074, 5.8904, 6.3995**, and the grayscale version is **10.4821, 11.0280, 12.0095**.

A 20% lighter version of the original color is **24.8222, 35.8999, 29.6659**, and **2.9340, 5.1993, 3.0394** is the 20% darker color. If you saturate the color by 10%, you get **9.1930, 15.4459, 10.6752**, and if you desaturate by 10%, it is **10.4155, 16.0279, 12.9074**.

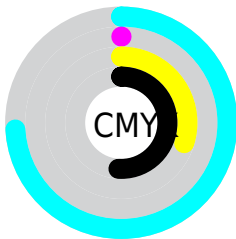
Distribution



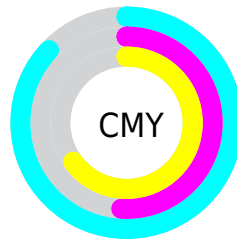
- Red (13%)
- Green (49%)
- Blue (35%)



- Red (13%)
- Yellow (36%)
- Blue (49%)



- Cyan (74%)
- Magenta (0%)
- Yellow (30%)
- Black (51%)



- Cyan (87%)
- Magenta (51%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 9.7223, 15.6951, 11.7496 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 9.7223, 15.6951, 11.7496 by changing the saturation by 10% instead.

■ 9.7223, 15.6951,
11.7496

■ 9.7223, 15.6951,
11.7496

182.7738,
227.5358, 213.6592

■ 5.2761, 9.3087,
6.4529

■ 24.9263, 36.0681,
29.6958

■ 2.4466, 4.9431,
3.0492

■ 36.4148, 50.8234,
43.1824

■ 0.8684, 2.2139,
1.1198

■ 50.9814, 69.1371,
60.2360

■ 0.0000, 0.7276,
0.0000

■ 68.9915, 91.3937,
81.2753

■ 0.0000, 0.0000,
0.0000

■ 90.8104, 117.9774,
106.7187

■ 116.8035,

149.2727, 136.9848

147.3362,
185.6641, 172.4921

■ 9.7223, 15.6951,
11.7496

■ 9.7223, 15.6951,
11.7496

■ 9.1930, 15.4459,
10.6752

■ 10.4155, 16.0279,
12.9074

■ 8.8073, 15.2687,
9.6806

■ 11.2863, 16.4503,
14.1496

■ 8.5945, 15.1720,
9.0833

■ 12.3486, 16.9696,
15.4787

■ 13.6143, 17.5920,
16.8965

■ 15.0943, 18.3232,
18.4050

■ 16.7988, 19.1682,
20.0058

■ 18.7373, 20.1320,
21.7008

■ 20.9186, 21.2191,
23.4917

■ 23.3512, 22.4339,
25.3799

Harmonies

Analogous

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



11.1788, 15.6951, 6.7053



9.7223, 15.6951, 11.7496



9.5331, 15.6951, 20.6183

Triad

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



9.7223, 15.6951, 11.7496



16.1038, 15.6951, 41.7327



20.2459, 15.6951, 7.8249

Complementary

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



9.7223, 15.6951, 11.7496



10.1074, 5.8904, 6.3995

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.



22.0231, 15.6951, 13.9878



9.7223, 15.6951, 11.7496



19.4093, 15.6951, 34.8328

Square

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



9.7223, 15.6951, 11.7496



12.9133, 15.6951, 40.4307



21.6963, 15.6951, 23.8421



17.1195, 15.6951, 5.0829

Rectangle

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



9.7223, 15.6951, 11.7496



10.1155, 15.6951, 28.0239



21.6963, 15.6951, 23.8421



21.0403, 15.6951, 9.4488

Sweetspot

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



9.7227, 15.6957, 11.7500



27.3349, 32.9625, 33.2550



10.2318, 16.1299, 4.0133



6.0788, 7.4290, 7.4286



60.6688, 63.8283, 69.5090



7.9400, 8.3535, 9.0970

Same Dimension

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



9.7227, 15.6957, 11.7500



15.9853, 27.4388, 17.9369



10.7296, 14.6050, 21.6562



4.3755, 4.8585, 5.1484



8.9663, 15.8331, 9.4613



0.0000, 0.0000, 0.0000

Inverse Universe

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



10.1074, 5.8904, 6.3995



16.7399, 8.8341, 7.9081



9.5139, 6.0332, 2.1023



4.3939, 4.3707, 4.8786



9.4308, 4.7920, 3.5923



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 9.7223, 15.6951, 11.7496 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 9.7223, 15.6951, 11.7496 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 9.7223, 15.6951, 11.7496

Background



This preview shows how black text looks on a background with the XYZ color 9.7223, 15.6951, 11.7496.



This preview shows how white text looks on a background with the XYZ color 9.7223, 15.6951,

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

9.7223, 15.6951, 11.7496

Protanopia

14.5323, 15.5975, 10.0293

Deuteranopia

15.6900, 15.5164, 12.2932



Tritanopia

12.0951, 15.7480, 23.1711

Trichromacy



Original Color

9.7223, 15.6951, 11.7496

Protanomaly

11.6614, 14.9278, 10.6542

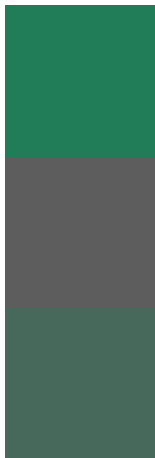
Deuteranomaly

12.2071, 14.8409, 12.1187

Tritanomaly

11.0790, 15.6919, 18.3645

Monochromacy



Original Color

9.7223, 15.6951, 11.7496

Achromatopsia

10.4043, 10.9462, 11.9204

Achromatomaly

9.5384, 12.1981, 11.7493

CSS Examples

Text

The CSS property to change the color of the text to XYZ 9.7223, 15.6951, 11.7496 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(33, 125, 88)` looks like.

```
.text, #text, p{  
    color:rgb(33, 125, 88)  
}
```

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(33, 125, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 125, 88) }
```

Border

The CSS property to change the border of an element to XYZ 9.7223, 15.6951, 11.7496 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(33, 125, 88) }
```


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

```
.border{ border-color:rgb(33, 125, 88) }
```

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

Here you see how a box with a 4 pixel `rgb(33, 125, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 125, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 125, 88);  
box-shadow:4px 4px 4px 4px rgb(33, 125,  
88) }
```

Background

The CSS property to change the background color of an element to XYZ 9.7223, 15.6951, 11.7496 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 125, 88) }
```

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

```
.background{ background-color: rgb(33, 125,  
88) }
```

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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