

Converting Colors

XYZ(9.7510, 17.9084, 6.7120)

Have a look what the booklet for
XYZ(9.7510, 17.9084, 6.7120)
contains.

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Color

**XYZ(9.6663, 17.7622,
6.6604)**

Conversions

Conversions Part 1

Format	Color
Hex	148738
RGB	20, 135, 56
RGB Percent	8%, 53%, 22%
CMY	0.9216, 0.4706, 0.7804
CMYK	0.85, 0.00, 0.59, 0.47
HSL	139°, 74%, 30%
HSV	139°, 85%, 53%
XYZ	9.6663, 17.7622, 6.6604
YIQ	91.6090, -43.1810, -48.9490

Conversions

Conversions Part 2

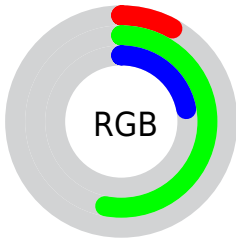
Format	Color
R_{YB}	20, 108, 135
Decimal	1345336
CIE _{Lab}	49.21, -47.67, 33.62
CIE _{LCh}	49, 58.338, 144.807
Yxy	17.7622, 0.2836, 0.5211
Android (android.graphics.Color)	4279535416 (0xFF148738)
YUV	91.6090, -17.5552, -62.8011
Hunter-Lab	42.1452, -32.8139, 20.1318

Details

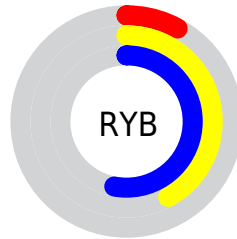
The XYZ color **9.6663, 17.7622, 6.6604** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **12.4945, 6.5524, 12.4113**, and the grayscale version is **10.1294, 10.6570, 11.6054**.

A 20% lighter version of the original color is **24.7719, 39.4898, 19.6813**, and **3.2032, 6.3538, 1.2299** is the 20% darker color. If you saturate the color by 10%, you get **9.2533, 17.5736, 5.5650**, and if you desaturate by 10%, it is **10.2699, 18.0452, 7.9849**.

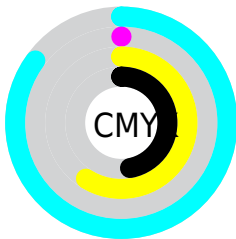
Distribution



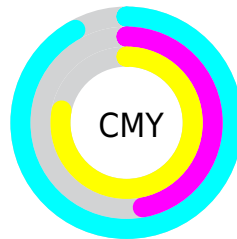
- Red (8%)
- Green (53%)
- Blue (22%)



- Red (8%)
- Yellow (42%)
- Blue (53%)



- Cyan (85%)
- Magenta (0%)
- Yellow (59%)
- Black (47%)





- Cyan (92%)
- Magenta (47%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 9.6663, 17.7622, 6.6604 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 9.6663, 17.7622, 6.6604 by changing the saturation by 10% instead.


 9.6663, 17.7622,
6.6604


 9.6663, 17.7622,
6.6604


182.3774,
239.5273, 174.3337


 5.2388, 10.7794,
3.1754


 24.8213, 39.6317,
19.7878


 2.4243, 5.9187,
1.1849

 36.2796, 55.2872,
30.2673


 0.8572, 2.7957,
0.0000

 50.8122, 74.6024,
43.9154

 0.0000, 1.0260,
0.0000

 68.7845, 97.9616,
61.1506

 0.0000, 0.0000,
0.0000

 90.5618, 125.7493,
82.3916

 116.5095,

158.3499, 108.0567

146.9929,
196.1478, 138.5646

■ 9.6663, 17.7622,
6.6604

■ 9.6663, 17.7622,
6.6604

■ 9.2533, 17.5736,
5.5650

■ 10.2699, 18.0452,
7.9849

■ 9.0869, 17.4977,
5.1136

■ 11.0914, 18.4349,
9.5500

■ 12.1517, 18.9424,
11.3674

■ 13.4688, 19.5767,
13.4477

■ 15.0588, 20.3459,
15.8011

■ 16.9366, 21.2576,
18.4369

■ 19.1159, 22.3185,
21.3642

■ 21.6095, 23.5352,
24.5917

■ 24.4295, 24.9136,
28.1276

Harmonies

Analogous

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



12.8447, 17.7622, 2.8627



9.6663, 17.7622, 6.6604



8.4281, 17.7622, 16.7411

Triad

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



9.6663, 17.7622, 6.6604



15.9488, 17.7622, 67.4871



28.3356, 17.7622, 9.2587

Complementary

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



9.6663, 17.7622, 6.6604



12.4945, 6.5524, 12.4113

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.



29.6650, 17.7622, 22.1948



9.6663, 17.7622, 6.6604



21.6884, 17.7622, 61.5623

Square

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



9.6663, 17.7622, 6.6604



11.5197, 17.7622, 55.8522



27.0130, 17.7622, 42.3979



23.6947, 17.7622, 3.6948

Rectangle

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



9.6663, 17.7622, 6.6604



8.6221, 17.7622, 28.0999



27.0130, 17.7622, 42.3979



29.2217, 17.7622, 12.6209

Sweetspot

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



9.6667, 17.7629, 6.6608



29.8268, 37.8226, 32.3244



14.1019, 20.1172, 3.8017



6.6669, 8.6424, 7.1515



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



9.6667, 17.7629, 6.6608



16.2070, 31.3077, 8.8132



11.8776, 18.6473, 18.3032



4.6719, 5.2270, 5.2836



8.3845, 16.1367, 4.7443



0.0321, 0.0571, 0.0323

Inverse Universe

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



12.4945, 6.5524, 12.4113



21.3364, 10.6016, 18.9692



10.6784, 5.8260, 2.8475



4.7975, 4.7387, 5.5459



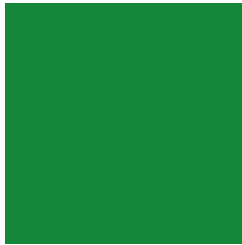
11.0310, 5.4768, 10.0017



0.0415, 0.0203, 0.0520

Previews

White Background



This preview shows how the XYZ color 9.6663, 17.7622, 6.6604 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 9.6663, 17.7622, 6.6604 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 9.6663, 17.7622, 6.6604

Background



This preview shows how black text looks on a background with the XYZ color 9.6663, 17.7622, 6.6604.



This preview shows how white text looks on a background with the XYZ color 9.6663, 17.7622,

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

9.6663, 17.7622, 6.6604

Protanopia

15.8744, 17.3882, 5.5372

Deuteranopia

17.7370, 17.4785, 7.1415



Tritanopia

13.7356, 17.8256, 26.3837

Trichromacy



Original Color

9.6663, 17.7622, 6.6604

Protanomaly

11.8226, 16.5377, 5.8178

Deuteranomaly

12.5691, 16.3559, 6.7695

Tritanomaly

11.6857, 17.5616, 16.9612

Monochromacy



Original Color

9.6663, 17.7622, 6.6604

Achromatopsia

10.1725, 10.7023, 11.6548

Achromatomaly

9.0206, 12.4479, 9.3244

CSS Examples

Text

The CSS property to change the color of the text to XYZ 9.6663, 17.7622, 6.6604 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(20, 135, 56)` looks like.

```
.text, #text, p{  
    color:rgb(20, 135, 56)  
}
```

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(20, 135, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(20, 135, 56) }
```

Border

The CSS property to change the border of an element to XYZ 9.6663, 17.7622, 6.6604 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(20, 135, 56) }
```


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

```
.border{ border-color:rgb(20, 135, 56) }
```

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

Here you see how a box with a 4 pixel `rgb(20, 135, 56)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(20, 135, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(20, 135, 56);  
box-shadow:4px 4px 4px 4px rgb(20, 135,  
56) }
```

Background

The CSS property to change the background color of an element to XYZ 9.6663, 17.7622, 6.6604 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(20, 135, 56) }
```

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

```
.background{ background-color: rgb(20, 135,  
56) }
```

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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