

Converting Colors

XYZ(19.9507, 14.7075, 10.6684)

Have a look what the booklet for
XYZ(19.9507, 14.7075, 10.6684)
contains.

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Color

**XYZ(19.8772, 14.6449,
10.5832)**

Conversions

Conversions Part 1

Format	Color
Hex	A35356
RGB	163, 83, 86
RGB Percent	64%, 33%, 34%
CMY	0.3608, 0.6745, 0.6627
CMYK	0.00, 0.49, 0.47, 0.36
HSL	358°, 33%, 48%
HSV	358°, 49%, 64%
XYZ	19.8772, 14.6449, 10.5832
YIQ	107.2620, 46.7170, 17.8930

Conversions

Conversions Part 2

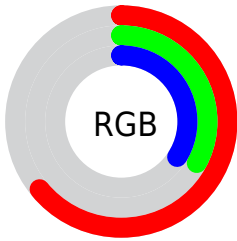
Format	Color
R_{YB}	163, 83, 86
Decimal	10703702
CIE Lab	45.14, 33.23, 13.46
CIE LCh	45, 35.858, 22.055
Yxy	14.6449, 0.4407, 0.3247
Android (android.graphics.Color)	4288893782 (0xFFA35356)
YUV	107.2620, -10.4822, 48.8822
Hunter-Lab	38.2687, 25.7449, 10.3914

Details

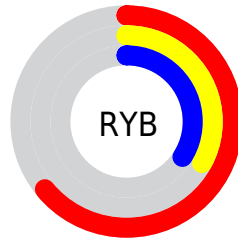
The XYZ color **19.8772, 14.6449, 10.5832** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **23.0104, 30.5717, 37.9477**, and the grayscale version is **14.0674, 14.8000, 16.1172**.

A 20% lighter version of the original color is **42.7878, 34.1999, 27.6386**, and **7.1566, 4.4923, 2.5877** is the 20% darker color. If you saturate the color by 10%, you get **18.2092, 12.2119, 7.2434**, and if you desaturate by 10%, it is **21.9779, 17.7212, 14.7521**.

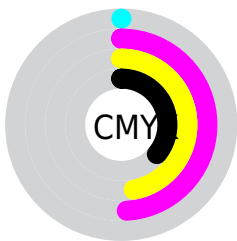
Distribution



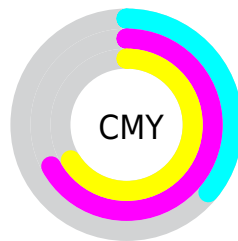
- Red (64%)
- Green (33%)
- Blue (34%)



- Red (64%)
- Yellow (33%)
- Blue (34%)



- Cyan (0%)
- Magenta (49%)
- Yellow (47%)
- Black (36%)




- Cyan (36%)
- Magenta (67%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 19.8772, 14.6449, 10.5832 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 19.8772, 14.6449, 10.5832 by changing the saturation by 10% instead.


 19.8772, 14.6449,
10.5832

 19.8772, 14.6449,
10.5832


244.0958,
221.2067, 205.4190


 12.4136, 8.5706,
5.6767

 42.7167, 34.2290,
27.5116


 7.1002, 4.4621,
2.5839


 58.8233, 48.5076,
40.3705


 3.5717, 1.9353,
0.8841

 78.5416, 66.2896,
56.7174

 1.4628, 0.5695,
0.0000

 102.2369, 87.9596,
76.9707

 0.3003, 0.0000,
0.0000

 130.2746,
113.9020, 101.5489

 0.0000, 0.0000,
0.0000

163.0201,

144.5010, 130.8707

200.8387,
180.1411, 165.3546

■ 19.8772, 14.6449,
10.5832

■ 19.8772, 14.6449,
10.5832

■ 18.2092, 12.2119,
7.2434

■ 21.9779, 17.7212,
14.7521

■ 16.9427, 10.3747,
4.6766

■ 24.5374, 21.4797,
19.7997

■ 16.0443, 9.0826,
2.8210


■ 27.5810, 25.9586,
25.7722


■ 15.4745, 8.2757,
1.6052


■ 31.1318, 31.1928,
32.7129


■ 15.1619, 7.8357,
0.9302


■ 35.2116, 37.2150,
40.6620

 15.1376, 7.7999,
0.8830

 39.8407, 44.0558,
49.6575

 45.0384, 51.7442,
59.7355

 50.8232, 60.3080,
70.9303

 57.2125, 69.7733,
83.2748

Harmonies

Analogous

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



20.3388, 14.6449, 18.3024



19.8772, 14.6449, 10.5832



17.7136, 14.6449, 6.2484

Triad

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



19.8772, 14.6449, 10.5832



9.9027, 14.6449, 7.8872



13.1489, 14.6449, 38.0993

Complementary

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



19.8772, 14.6449, 10.5832



23.0104, 30.5717, 37.9477

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.



10.7101, 14.6449, 32.5269



19.8772, 14.6449, 10.5832



9.0168, 14.6449, 13.8007

Square

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



19.8772, 14.6449, 10.5832



11.8933, 14.6449, 5.1197



9.2899, 14.6449, 22.8691



16.1637, 14.6449, 36.2803

Rectangle

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



19.8772, 14.6449, 10.5832



15.7445, 14.6449, 4.9349



9.2899, 14.6449, 22.8691



12.2414, 14.6449, 36.9749

Sweetspot

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



19.8776, 14.6457, 10.5835



51.7020, 49.8882, 50.6697



24.0025, 16.2025, 36.5125



11.3346, 10.7959, 10.8375



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



19.8776, 14.6457, 10.5835



32.3486, 21.4885, 12.4430



23.2629, 21.6054, 11.1288



7.0840, 7.0901, 7.4289



11.7687, 6.0635, 0.7064



0.2503, 0.1286, 0.0308

Inverse Universe

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



19.8776, 14.6457, 10.5835



32.3486, 21.4885, 12.4430



17.7682, 19.6628, 37.5090



7.0840, 7.0901, 7.4289



11.7687, 6.0635, 0.7064



0.2503, 0.1286, 0.0308

Previews

White Background



This preview shows how the XYZ color 19.8772, 14.6449, 10.5832 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



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 19.8772, 14.6449, 10.5832

Background



This preview shows how black text looks on a background with the XYZ color 19.8772, 14.6449, 10.5832.



This preview shows how white text looks on a background with the XYZ color 19.8772, 14.6449,

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

19.8772, 14.6449, 10.5832

Protanopia

14.1444, 14.8420, 13.6746

Deuteranopia

15.0158, 14.7606, 10.2413



Tritanopia

19.9590, 14.6776, 11.0136

Trichromacy



Original Color

19.8772, 14.6449, 10.5832

Protanomaly

15.7481, 14.3688, 12.5331

Deuteranomaly

16.4306, 14.4948, 10.3193

Tritanomaly

19.9178, 14.6612, 10.7969

Monochromacy



Original Color

19.8772, 14.6449, 10.5832

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

15.3722, 14.1482, 13.7251

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.8772, 14.6449, 10.5832 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(163, 83, 86)` looks like.

```
.text, #text, p{  
    color:rgb(163, 83, 86)  
}
```

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(163, 83, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 83, 86) }
```

Border

The CSS property to change the border of an element to XYZ 19.8772, 14.6449, 10.5832 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(163, 83, 86) }
```


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

```
.border{ border-color:rgb(163, 83, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 83, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 83, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 83, 86);  
box-shadow:4px 4px 4px 4px rgb(163, 83,  
86) }
```

Background

The CSS property to change the background color of an element to XYZ 19.8772, 14.6449, 10.5832 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 83, 86) }
```

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

```
.background{ background-color: rgb(163, 83,  
86) }
```

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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