

Converting Colors

XYZ(19.6407, 20.1443, 6.7465)

Have a look what the booklet for
XYZ(19.6407, 20.1443, 6.7465)
contains.

XYZ(19.6085, 20.1732, 6.7312)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(19.6085, 20.1732,
6.7312)**

Conversions

Conversions Part 1

Format	Color
Hex	937939
RGB	147, 121, 57
RGB Percent	58%, 47%, 22%
CMY	0.4235, 0.5255, 0.7765
CMYK	0.00, 0.18, 0.61, 0.42
HSL	43°, 44%, 40%
HSV	43°, 61%, 58%
XYZ	19.6085, 20.1732, 6.7312
YIQ	121.4780, 36.0400, -14.3920

Conversions

Conversions Part 2

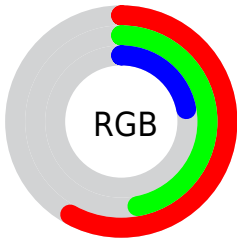
Format	Color
RYB	94, 147, 57
Decimal	9664825
CIELab	52.03, 2.20, 38.22
CIELCh	52, 38.279, 86.708
Yxy	20.1732, 0.4216, 0.4337
Android (android.graphics.Color)	4287854905 (0xFF937939)
YUV	121.4780, -31.7877, 22.3828
Hunter-Lab	44.9146, -0.6722, 22.5546

Details

The XYZ color **19.6085, 20.1732, 6.7312** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **10.0469, 9.1625, 28.8426**, and the grayscale version is **18.4210, 19.3803, 21.1052**.

A 20% lighter version of the original color is **42.1737, 43.6243, 19.8332**, and **6.9351, 7.1076, 1.2074** is the 20% darker color. If you saturate the color by 10%, you get **18.7890, 19.0386, 4.9034**, and if you desaturate by 10%, it is **20.5578, 21.3976, 9.1266**.

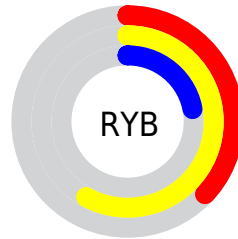
Distribution



Red (58%)

Green (47%)

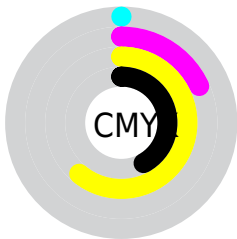
Blue (22%)



Red (37%)

Yellow (58%)

Blue (22%)

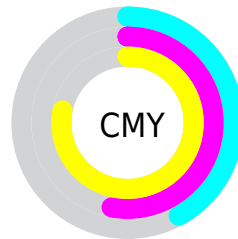


Cyan (0%)

Magenta (18%)

Yellow (61%)

Black (42%)



Cyan (42%)

Magenta (53%)

Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.6085, 20.1732, 6.7312 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 19.6085, 20.1732, 6.7312 by changing the saturation by 10% instead.

■ 19.6085, 20.1732,
6.7312

■ 19.6085, 20.1732,
6.7312

242.6619,
252.8512, 174.9564

■ 12.2174, 12.5210,
3.2187

■ 42.2688, 43.7074,
19.9340

■ 6.9652, 7.0996,
1.2074

■ 58.2687, 60.3581,
30.4613

■ 3.4865, 3.5244,
0.0000

■ 77.8689, 80.7772,
44.1639

■ 1.4159, 1.4113,
0.0000

■ 101.4347,
105.3490, 61.4605

■ 0.2675, 0.2250,
0.0000

■ 129.3316,
134.4579, 82.7695

■ 0.0000, 0.0000,
0.0000

■ 161.9249,

168.4883, 108.5094

199.5798,
207.8246, 139.0989

■ 19.6085, 20.1732,
6.7312

■ 19.6085, 20.1732,
6.7312

■ 18.7890, 19.0386,
4.9034

■ 20.5578, 21.3976,
9.1266

■ 18.0882, 17.9866,
3.5922

■ 21.6443, 22.7129,
12.1324

■ 17.4952, 17.0131,
2.7392

■ 22.8760, 24.1236,
15.7886

■ 17.0373, 16.2126,
2.2314

■ 24.2602, 25.6329,
20.1315

■ 25.8034, 27.2440,
25.1946

■ 27.5120, 28.9597,
31.0093

■ 29.3917, 30.7828,
37.6050

■ 31.4480, 32.7159,
45.0097

■ 33.6863, 34.7616,
53.2499

Harmonies

Analogous

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



23.5981, 20.1732, 8.4474



19.6085, 20.1732, 6.7312



15.9934, 20.1732, 7.8110

Triad

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



19.6085, 20.1732, 6.7312



13.2181, 20.1732, 33.1170



26.1602, 20.1732, 36.0101

Complementary

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



19.6085, 20.1732, 6.7312



10.0469, 9.1625, 28.8426

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.



22.7506, 20.1732, 47.3200



19.6085, 20.1732, 6.7312



15.3406, 20.1732, 45.2896

Square

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



19.6085, 20.1732, 6.7312



12.6121, 20.1732, 20.7532



18.7460, 20.1732, 51.1886



27.6898, 20.1732, 23.2235

Rectangle

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



19.6085, 20.1732, 6.7312



14.2115, 20.1732, 10.2728



18.7460, 20.1732, 51.1886



25.1751, 20.1732, 40.2574

Sweetspot

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



19.6090, 20.1742, 6.7316



44.2059, 46.7097, 38.5060



15.0960, 9.7695, 9.4778



9.9282, 10.4901, 8.2630



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



19.6090, 20.1742, 6.7316



33.2148, 33.4621, 7.9144



20.2255, 25.8299, 7.7908



6.1254, 6.4645, 6.1654



14.7924, 14.0992, 1.9418



0.2064, 0.2233, 0.0322

Inverse Universe

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



10.0469, 9.1625, 28.8426



14.6531, 12.1411, 51.0058



9.6314, 6.5289, 28.3562



5.6279, 5.8897, 7.3099



5.3169, 3.3287, 24.2933



0.0879, 0.0863, 0.3049

Previews

White Background



This preview shows how the XYZ color 19.6085, 20.1732, 6.7312 looks on a white 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

Black Background



This preview shows how the XYZ color 19.6085, 20.1732, 6.7312 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 19.6085, 20.1732, 6.7312

Background



This preview shows how black text looks on a background with the XYZ color 19.6085, 20.1732, 6.7312.



This preview shows how white text looks on a background with the XYZ color 19.6085, 20.1732,

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

19.6085, 20.1732, 6.7312

Protanopia

18.4526, 20.1241, 6.9148

Deuteranopia

20.5686, 20.1324, 6.8048



Tritanopia

22.5414, 20.1401, 21.4383

Trichromacy



Original Color

19.6085, 20.1732, 6.7312

Protanomaly

18.8312, 20.1341, 6.8968

Deuteranomaly

20.1230, 20.0784, 6.8179

Tritanomaly

21.1911, 20.1075, 14.5686

Monochromacy



Original Color

19.6085, 20.1732, 6.7312

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

18.2479, 19.3024, 14.3192

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.6085, 20.1732, 6.7312 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(147, 121, 57)` looks like.

```
.text, #text, p{  
    color:rgb(147, 121, 57)  
}
```

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(147, 121, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 121, 57) }
```

Border

The CSS property to change the border of an element to XYZ 19.6085, 20.1732, 6.7312 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(147, 121, 57) }
```


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

```
.border{ border-color:rgb(147, 121, 57) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 121, 57)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 121, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 121, 57);  
box-shadow:4px 4px 4px 4px rgb(147, 121,  
57) }
```

Background

The CSS property to change the background color of an element to XYZ 19.6085, 20.1732, 6.7312 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 121, 57) }
```

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

```
.background{ background-color: rgb(147,  
121, 57) }
```

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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