

Converting Colors

XYZ(19.6140, 12.7704, 21.8442)

Have a look what the booklet for
XYZ(19.6140, 12.7704, 21.8442)
contains.

XYZ(19.6737, 12.7607, 21.8482)	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(19.6737, 12.7607,
21.8482)**

Conversions

Conversions Part 1

Format	Color
Hex	9C4480
RGB	156, 68, 128
RGB Percent	61%, 27%, 50%
CMY	0.3882, 0.7333, 0.4980
CMYK	0.00, 0.56, 0.18, 0.39
HSL	319°, 39%, 44%
HSV	319°, 56%, 61%
XYZ	19.6737, 12.7607, 21.8482
YIQ	101.1520, 33.1880, 37.3160

Conversions

Conversions Part 2

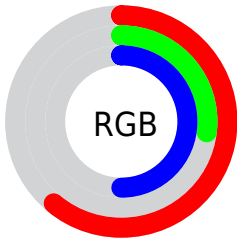
Format	Color
R_{YB}	156, 68, 128
Decimal	10241152
CIE _{Lab}	42.40, 44.04, -16.40
CIE _{LCh}	42, 46.997, 339.578
Yxy	12.7607, 0.3624, 0.2351
Android (android.graphics.Color)	4288431232 (0xFF9C4480)
YUV	101.1520, 13.2361, 48.1017
Hunter-Lab	35.7221, 35.7939, -11.2572

Details

The XYZ color **19.6737, 12.7607, 21.8482** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **16.3843, 25.8508, 15.1937**, and the grayscale version is **12.3703, 13.0145, 14.1728**.

A 20% lighter version of the original color is **42.4975, 30.9153, 47.4434**, and **7.0104, 3.6286, 7.7280** is the 20% darker color. If you saturate the color by 10%, you get **18.5340, 10.9912, 19.8955**, and if you desaturate by 10%, it is **21.0813, 15.0399, 23.9693**.

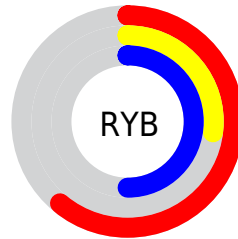
Distribution



Red (61%)

Green (27%)

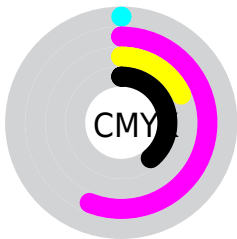
Blue (50%)



Red (61%)

Yellow (27%)

Blue (50%)

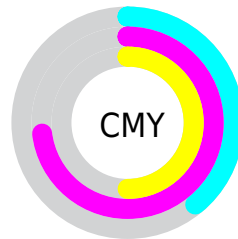


Cyan (0%)

Magenta (56%)

Yellow (18%)

Black (39%)



Cyan (39%)

Magenta (73%)

Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.6737, 12.7607, 21.8482 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 19.6737, 12.7607, 21.8482 by changing the saturation by 10% instead.

■ 19.6737, 12.7607,
21.8482

■ 19.6737, 12.7607,
21.8482

243.0105,
209.3783, 274.6801

■ 12.2650, 7.2640,
13.5482

■ 42.3776, 30.8732,
47.3939

■ 6.9979, 3.6277,
7.6719

■ 58.4034, 44.2578,
65.4767

■ 3.5071, 1.4676,
3.8010

■ 78.0323, 61.0404,
87.6575

■ 1.4273, 0.2657,
1.5168

■ 101.6297, 81.6055,
114.3548

■ 0.2755, 0.0000,
0.2304

■ 129.5608,
106.3374, 145.9872

■ 0.0000, 0.0000,
0.0000

162.1911,

135.6206, 182.9731

199.8859,
169.8394, 225.7313

■ 19.6737, 12.7607,
21.8482

■ 19.6737, 12.7607,
21.8482

■ 18.5340, 10.9912,
19.8955

■ 21.0813, 15.0399,
23.9693

■ 17.6402, 9.6887,
18.1025

■ 22.7739, 17.8634,
26.2652

■ 16.9691, 8.8065,
16.4603

■ 24.7686, 21.2649,
28.7428

■ 16.4857, 8.2754,
14.9562

■ 27.0809, 25.2748,
31.4084

■ 16.3307, 8.1161,
14.4402

■ 29.7249, 29.9213,
34.2678

■ 32.7142, 35.2309,
37.3263

■ 36.0613, 41.2287,
40.5892

■ 39.7783, 47.9382,
44.0615

■ 43.8766, 55.3822,
47.7480

Harmonies

Analogous

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



16.9921, 12.7607, 34.9306



19.6737, 12.7607, 21.8482



20.1360, 12.7607, 10.9019

Triad

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



19.6737, 12.7607, 21.8482



11.0331, 12.7607, 2.1850



7.6101, 12.7607, 30.3413

Complementary

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



19.6737, 12.7607, 21.8482



16.3843, 25.8508, 15.1937

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.



6.5877, 12.7607, 17.3894



19.6737, 12.7607, 21.8482



8.2949, 12.7607, 3.6467

Square

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



19.6737, 12.7607, 21.8482



14.6567, 12.7607, 2.4741



6.8113, 12.7607, 8.1514



9.9094, 12.7607, 41.2644

Rectangle

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



19.6737, 12.7607, 21.8482



19.0477, 12.7607, 6.3335



6.8113, 12.7607, 8.1514



7.1281, 12.7607, 25.8800

Sweetspot

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



19.6741, 12.7613, 21.8484



48.7711, 45.1812, 56.5819



12.8784, 9.0149, 32.5139



10.5555, 9.6347, 12.2515



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



19.6741, 12.7613, 21.8484



33.1411, 19.1833, 35.1493



17.3834, 11.8450, 9.7859



6.8143, 6.7186, 7.8730



13.4677, 6.6916, 11.9796



0.2591, 0.1270, 0.3105

Inverse Universe

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



19.6741, 12.7613, 21.8484



33.1411, 19.1833, 35.1493



18.9967, 26.8957, 28.9501



6.8143, 6.7186, 7.8730



13.4677, 6.6916, 11.9796



0.2591, 0.1270, 0.3105

Previews

White Background



This preview shows how the XYZ color 19.6737, 12.7607, 21.8482 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 19.6737, 12.7607, 21.8482 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

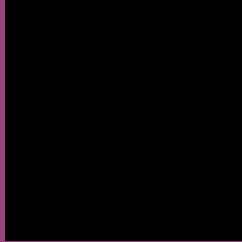
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 19.6737, 12.7607, 21.8482

Background



This preview shows how black text looks on a background with the XYZ color 19.6737, 12.7607, 21.8482.



This preview shows how white text looks on a background with the XYZ color 19.6737, 12.7607,

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

19.6737, 12.7607, 21.8482

Protanopia

13.6966, 13.0297, 31.4989

Deuteranopia

13.1826, 13.0064, 20.5546



Tritanopia

17.2735, 12.7643, 9.9408

Trichromacy



Original Color

19.6737, 12.7607, 21.8482

Protanomaly

14.8781, 12.2776, 27.5723

Deuteranomaly

14.9371, 12.4532, 21.0185

Tritanomaly

17.8859, 12.5900, 13.5440

Monochromacy



Original Color

19.6737, 12.7607, 21.8482

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

14.3268, 12.3574, 16.6690

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.6737, 12.7607, 21.8482 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(156, 68, 128)` looks like.

```
.text, #text, p{  
    color:rgb(156, 68, 128)  
}
```

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(156, 68, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 68, 128) }
```

Border

The CSS property to change the border of an element to XYZ 19.6737, 12.7607, 21.8482 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(156, 68, 128) }
```


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

```
.border{ border-color:rgb(156, 68, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 68, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 68, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 68, 128);  
box-shadow:4px 4px 4px 4px rgb(156, 68,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 19.6737, 12.7607, 21.8482 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 68, 128) }
```

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

```
.background{ background-color: rgb(156, 68,  
128) }
```

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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