

Converting Colors

XYZ(19.6947, 25.1207, 12.9053)

Have a look what the booklet for
XYZ(19.6947, 25.1207, 12.9053)
contains.

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Color

**XYZ(19.7449, 25.2390,
12.8478)**

Conversions

Conversions Part 1

Format	Color
Hex	789257
RGB	120, 146, 87
RGB Percent	47%, 57%, 34%
CMY	0.5294, 0.4274, 0.6588
CMYK	0.18, 0.00, 0.40, 0.43
HSL	86°, 25%, 46%
HSV	86°, 40%, 57%
XYZ	19.7449, 25.2390, 12.8478
YIQ	131.5000, 3.4430, -23.8610

Conversions

Conversions Part 2

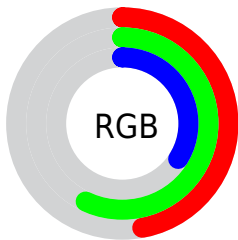
Format	Color
RYB	87, 146, 113
Decimal	7901783
CIELab	57.31, -19.86, 28.30
CIELCh	57, 34.567, 125.058
Yxy	25.2390, 0.3414, 0.4364
Android (android.graphics.Color)	4286091863 (0xFF789257)
YUV	131.5000, -21.9385, -10.0855
Hunter-Lab	50.2384, -17.7625, 20.0043

Details

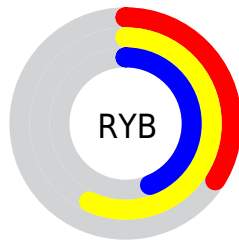
The XYZ color **19.7449, 25.2390, 12.8478** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **15.4077, 12.4032, 28.7776**, and the grayscale version is **21.8283, 22.9651, 25.0089**.

A 20% lighter version of the original color is **42.4753, 52.0278, 31.8484**, and **7.0010, 9.6397, 3.4991** is the 20% darker color. If you saturate the color by 10%, you get **18.3453, 24.5803, 9.9774**, and if you desaturate by 10%, it is **21.3265, 25.9791, 16.3576**.

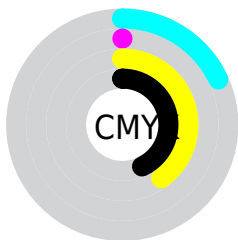
Distribution



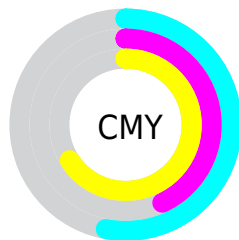
- Red (47%)
- Green (57%)
- Blue (34%)



- Red (34%)
- Yellow (57%)
- Blue (44%)



- Cyan (18%)
- Magenta (0%)
- Yellow (40%)
- Black (43%)



- Cyan (53%)
- Magenta (43%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.7449, 25.2390, 12.8478 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 19.7449, 25.2390, 12.8478 by changing the saturation by 10% instead.

■ 19.7449, 25.2390,
12.8478

■ 19.7449, 25.2390,
12.8478

243.3907,
279.0261, 221.1134

■ 12.3169, 16.2552,
7.1943

■ 42.4963, 52.0447,
31.7172

■ 7.0336, 9.7049,
3.5036

■ 58.5504, 70.6354,
45.7703

■ 3.5297, 5.2038,
1.3572

■ 78.2107, 93.1971,
63.4603

■ 1.4397, 2.3673,
0.1080

■ 101.8423,
120.1144, 85.2058

■ 0.2842, 0.8090,
0.0000

■ 129.8108,
151.7715, 111.4253

■ 0.0000, 0.0000,
0.0000

162.4815,

188.5529, 142.5374

200.2197,
230.8430, 178.9606

■ 19.7449, 25.2390,
12.8478

■ 19.7449, 25.2390,
12.8478

■ 18.3453, 24.5803,
9.9774

■ 21.3265, 25.9791,
16.3576

■ 17.1172, 23.9962,
7.7061

■ 23.0959, 26.8005,
20.5406

■ 16.0520, 23.4839,
5.9917

■ 25.0612, 27.7075,
25.4300

■ 15.1392, 23.0391,
4.7857

■ 27.2292, 28.7028,
31.0565

■ 14.3667, 22.6568,
4.0315

■ 29.6064, 29.7893,
37.4489

■ 13.7292, 22.3373,
3.5879

■ 32.1991, 30.9695,
44.6345

■ 35.0131, 32.2459,
52.6392

■ 38.0541, 33.6209,
61.4879

■ 41.3276, 35.0968,
71.2041

Harmonies

Analogous

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



23.3015, 25.2390, 10.5843



19.7449, 25.2390, 12.8478



17.5349, 25.2390, 19.0270

Triad

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



19.7449, 25.2390, 12.8478



20.8197, 25.2390, 53.4146



32.7168, 25.2390, 25.5408

Complementary

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



19.7449, 25.2390, 12.8478



15.4077, 12.4032, 28.7776

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.



31.8591, 25.2390, 38.1282



19.7449, 25.2390, 12.8478



24.6897, 25.2390, 56.6150

Square

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



19.7449, 25.2390, 12.8478



18.1042, 25.2390, 42.5734



28.8013, 25.2390, 50.3782



31.0278, 25.2390, 16.4577

Rectangle

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



19.7449, 25.2390, 12.8478



16.9691, 25.2390, 25.5839



28.8013, 25.2390, 50.3782



32.7185, 25.2390, 29.4697

Sweetspot

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



19.7455, 25.2401, 12.8483



43.5470, 48.5719, 43.1835



19.4323, 18.5139, 11.5666



9.5991, 10.7646, 9.3842



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



19.7455, 25.2401, 12.8483



32.6980, 43.5194, 18.2627



16.3078, 23.4679, 12.6875



6.0212, 6.6187, 6.2007



12.1070, 19.6693, 3.1584



0.1821, 0.2582, 0.0402

Inverse Universe

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



15.4077, 12.4032, 28.7776



24.0205, 17.8267, 50.1484



19.7643, 14.6491, 28.9815



5.7275, 5.7505, 7.2778



6.4711, 2.8085, 24.1321



0.1122, 0.0514, 0.2969

Previews

White Background



This preview shows how the XYZ color 19.7449, 25.2390, 12.8478 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 19.7449, 25.2390, 12.8478 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

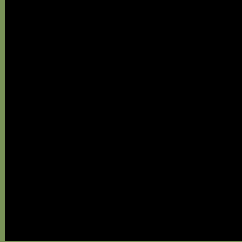
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 19.7449, 25.2390, 12.8478

Background



This preview shows how black text looks on a background with the XYZ color 19.7449, 25.2390, 12.8478.



This preview shows how white text looks on a background with the XYZ color 19.7449, 25.2390,

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

19.7449, 25.2390, 12.8478

Protanopia

23.1236, 25.0154, 11.9972

Deuteranopia

25.4788, 24.9701, 13.1497



Tritanopia

23.7909, 25.3344, 32.4903

Trichromacy



Original Color

19.7449, 25.2390, 12.8478

Protanomaly

21.6652, 24.9010, 12.2588

Deuteranomaly

23.0018, 24.7191, 13.0101

Tritanomaly

22.1080, 25.3139, 23.7995

Monochromacy



Original Color

19.7449, 25.2390, 12.8478

Achromatopsia

21.9318, 23.0740, 25.1276

Achromatomaly

21.0001, 23.7415, 19.9987

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.7449, 25.2390, 12.8478 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(120, 146, 87)` looks like.

```
.text, #text, p{  
    color:rgb(120, 146, 87)  
}
```

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(120, 146, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 146, 87) }
```

Border

The CSS property to change the border of an element to XYZ 19.7449, 25.2390, 12.8478 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(120, 146, 87) }
```


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

```
.border{ border-color:rgb(120, 146, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 146, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 146, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 146, 87);  
box-shadow:4px 4px 4px 4px rgb(120, 146,  
87) }
```

Background

The CSS property to change the background color of an element to XYZ 19.7449, 25.2390, 12.8478 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 146, 87) }
```

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

```
.background{ background-color: rgb(120,  
146, 87) }
```

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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