

Converting Colors

XYZ(19.5837, 11.2285, 21.5257)

Have a look what the booklet for
XYZ(19.5837, 11.2285, 21.5257)
contains.

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Color

**XYZ(19.6512, 11.2495,
21.5577)**

Conversions

Conversions Part 1

Format	Color
Hex	A13080
RGB	161, 48, 128
RGB Percent	63%, 19%, 50%
CMY	0.3686, 0.8117, 0.4980
CMYK	0.00, 0.70, 0.20, 0.37
HSL	318°, 54%, 41%
HSV	318°, 70%, 63%
XYZ	19.6512, 11.2495, 21.5577
YIQ	90.9070, 41.6680, 48.8360

Conversions

Conversions Part 2

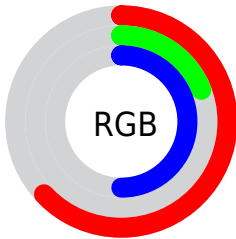
Format	Color
RYB	161, 48, 128
Decimal	10563712
CIELab	40.00, 54.29, -20.02
CIELCh	40, 57.861, 339.757
Yxy	11.2495, 0.3746, 0.2144
Android (android.graphics.Color)	4288753792 (0xFFA13080)
YUV	90.9070, 18.2868, 61.4716
Hunter-Lab	33.5403, 45.8874, -14.6299

Details

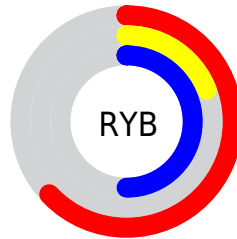
The XYZ color **19.6512, 11.2495, 21.5577** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **15.4496, 26.7126, 12.1276**, and the grayscale version is **9.8767, 10.3910, 11.3158**.

A 20% lighter version of the original color is **42.4042, 28.0968, 46.9043**, and **7.3551, 3.6287, 7.7099** is the 20% darker color. If you saturate the color by 10%, you get **18.8059, 10.0426, 19.7842**, and if you desaturate by 10%, it is **20.7506, 12.9412, 23.4869**.

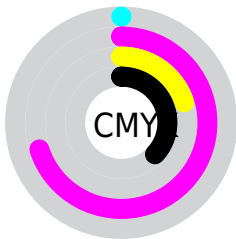
Distribution



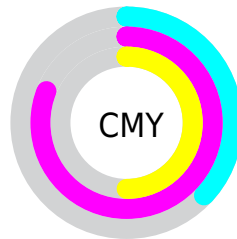
- Red (63%)
- Green (19%)
- Blue (50%)



- Red (63%)
- Yellow (19%)
- Blue (50%)



- Cyan (0%)
- Magenta (70%)
- Yellow (20%)
- Black (37%)



- Cyan (37%)
- Magenta (81%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.6512, 11.2495, 21.5577 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 19.6512, 11.2495, 21.5577 by changing the saturation by 10% instead.

■ 19.6512, 11.2495,
21.5577

■ 19.6512, 11.2495,
21.5577

242.8903,
199.3714, 273.1054

■ 12.2485, 6.2349,
13.3371

■ 42.3400, 28.1206,
46.9067

■ 6.9866, 2.9884,
7.5276

■ 58.3569, 40.7459,
64.8721

■ 3.5000, 1.1257,
3.7108

■ 77.9759, 56.6770,
86.9228

■ 1.4233, 0.0000,
1.4681

■ 101.5624, 76.2981,
113.4774

■ 0.2728, 0.0000,
0.1940

■ 129.4817, 99.9937,
144.9544

■ 0.0000, 0.0000,
0.0000

■ 162.0993,

128.1482, 181.7724

199.7803,
161.1459, 224.3499

■ 19.6512, 11.2495,
21.5577

■ 19.6512, 11.2495,
21.5577

■ 18.8059, 10.0426,
19.7842

■ 20.7506, 12.9412,
23.4869

■ 18.1861, 9.2642,
18.1555

■ 22.1263, 15.1625,
25.5798

■ 17.7342, 8.7916,
16.6758

■ 23.7994, 17.9551,
27.8444

■ 25.7886, 21.3560,
30.2880

■ 28.1110, 25.3990,
32.9169

■ 30.7822, 30.1154,
35.7375

■ 33.8172, 35.5347,
38.7553

■ 37.2299, 41.6843,
41.9760

■ 41.0333, 48.5902,
45.4047

Harmonies

Analogous

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



16.4025, 11.2495, 38.1764



19.6512, 11.2495, 21.5577



20.2020, 11.2495, 8.8829

Triad

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



19.6512, 11.2495, 21.5577



9.4414, 11.2495, 0.8346



5.8034, 11.2495, 32.4204

Complementary

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



19.6512, 11.2495, 21.5577



15.4496, 26.7126, 12.1276

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.



4.7634, 11.2495, 16.3728



19.6512, 11.2495, 21.5577



6.4900, 11.2495, 1.9210

Square

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



19.6512, 11.2495, 21.5577



13.5797, 11.2495, 1.0272



4.9787, 11.2495, 6.0999



8.2463, 11.2495, 46.7063

Rectangle

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



19.6512, 11.2495, 21.5577



18.8535, 11.2495, 4.2474



4.9787, 11.2495, 6.0999



5.3096, 11.2495, 26.7525

Sweetspot

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



19.6516, 11.2501, 21.5579



49.8073, 44.5465, 58.3624



10.8004, 6.3941, 34.3834



10.6805, 9.3452, 12.5297



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



19.6516, 11.2501, 21.5579



33.0340, 17.1449, 33.8270



16.9410, 10.1658, 7.2841



7.2757, 7.1667, 8.4384



14.1820, 7.0289, 13.4149



0.3170, 0.1553, 0.3819

Inverse Universe

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



19.6516, 11.2501, 21.5579



33.0340, 17.1449, 33.8270



18.4451, 27.9108, 27.9014



7.2757, 7.1667, 8.4384



14.1820, 7.0289, 13.4149



0.3170, 0.1553, 0.3819

Previews

White Background



This preview shows how the XYZ color 19.6512, 11.2495, 21.5577 looks on a white background.

Color Contrast Check

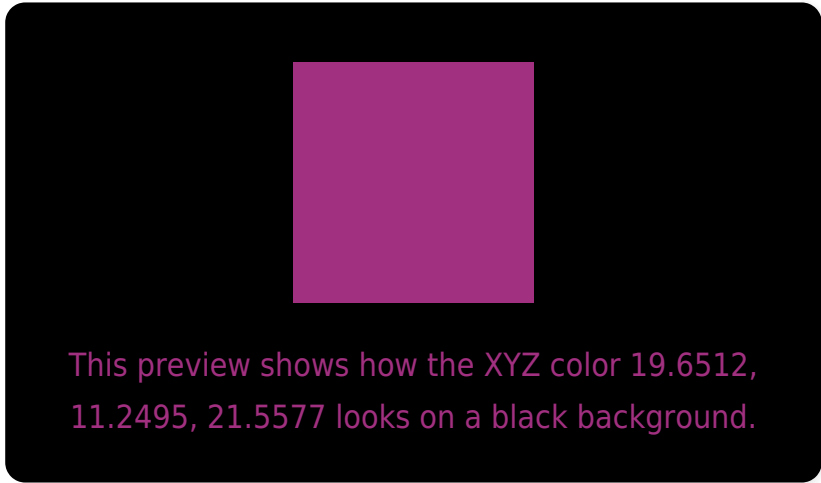
Large Text (above 18pt) WCAG AA ✓ Pass

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

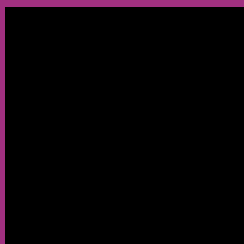
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 19.6512, 11.2495, 21.5577

Background



This preview shows how black text looks on a background with the XYZ color 19.6512, 11.2495, 21.5577.



This preview shows how white text looks on a background with the XYZ color 19.6512, 11.2495,

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

19.6512, 11.2495, 21.5577

Protanopia

12.7295, 11.5990, 36.6899

Deuteranopia

11.6799, 11.4333, 19.6804



Tritanopia

16.6748, 11.2782, 6.9283

Trichromacy



Original Color

19.6512, 11.2495, 21.5577

Protanomaly

13.3854, 10.1948, 30.5405

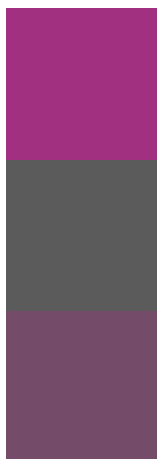
Deuteranomaly

13.4944, 10.4760, 20.3796

Tritanomaly

17.5100, 11.1352, 10.8993

Monochromacy



Original Color

19.6512, 11.2495, 21.5577

Achromatopsia

9.9438, 10.4616, 11.3927

Achromatomaly

12.2172, 9.7446, 14.3337

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.6512, 11.2495, 21.5577 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(161, 48, 128)` looks like.

```
.text, #text, p{  
    color:rgb(161, 48, 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(161, 48, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 48, 128) }
```

Border

The CSS property to change the border of an element to XYZ 19.6512, 11.2495, 21.5577 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(161, 48, 128) }
```


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

```
.border{ border-color:rgb(161, 48, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 48, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 48, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 48, 128);  
box-shadow:4px 4px 4px 4px rgb(161, 48,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 19.6512, 11.2495, 21.5577 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 48, 128) }
```

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

```
.background{ background-color: rgb(161, 48,  
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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