

Converting Colors

XYZ(16.1473, 12.7847, 39.6923)

Have a look what the booklet for
XYZ(16.1473, 12.7847, 39.6923)
contains.

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Color

**XYZ(16.1949, 12.8137,
39.6499)**

Conversions

Conversions Part 1

Format	Color
Hex	6559AA
RGB	101, 89, 170
RGB Percent	40%, 35%, 67%
CMY	0.6039, 0.6510, 0.3333
CMYK	0.41, 0.48, 0.00, 0.33
HSL	249°, 32%, 51%
HSV	249°, 48%, 67%
XYZ	16.1949, 12.8137, 39.6499
YIQ	101.8220, -18.8490, 27.7350

Conversions

Conversions Part 2

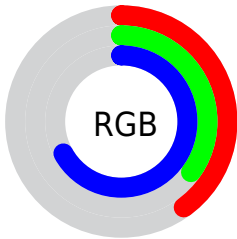
Format	Color
R_{YB}	101, 89, 170
Decimal	6642090
CIE _{Lab}	42.48, 25.12, -41.99
CIE _{LCh}	42, 48.931, 300.888
Yxy	12.8137, 0.2359, 0.1866
Android (android.graphics.Color)	4284832170 (0xFF6559AA)
YUV	101.8220, 33.6118, -0.7209
Hunter-Lab	35.7962, 18.1134, -40.6156

Details

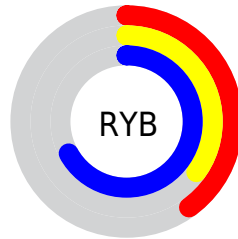
The XYZ color **16.1949, 12.8137, 39.6499** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **30.2783, 36.7398, 14.9471**, and the grayscale version is **12.5020, 13.1530, 14.3237**.

A 20% lighter version of the original color is **36.4777, 30.9248, 75.9980**, and **5.2937, 3.6405, 17.2533** is the 20% darker color. If you saturate the color by 10%, you get **13.4592, 9.5405, 39.1625**, and if you desaturate by 10%, it is **19.5440, 16.8884, 40.2601**.

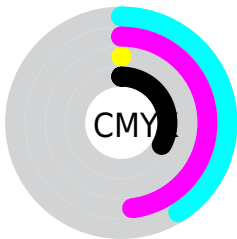
Distribution



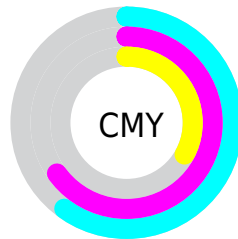
- Red (40%)
- Green (35%)
- Blue (67%)



- Red (40%)
- Yellow (35%)
- Blue (67%)



- Cyan (41%)
- Magenta (48%)
- Yellow (0%)
- Black (33%)



- Cyan (60%)
- Magenta (65%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.1949, 12.8137, 39.6499 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 16.1949, 12.8137, 39.6499 by changing the saturation by 10% instead.

■ 16.1949, 12.8137,
39.6499

■ 16.1949, 12.8137,
39.6499

223.7369,
209.7202, 360.1539

■ 9.7539, 7.3004,
26.9540

■ 36.4909, 30.9687,
75.8613

■ 5.2971, 3.6507,
17.3065

■ 51.0767, 44.3791,
100.2139

■ 2.4592, 1.4801,
10.2890

■ 69.1081, 61.1908,
129.2892

■ 0.8747, 0.2747,
5.4829

■ 90.9505, 81.7879,
163.5056

■ 0.0000, 0.0000,
2.4696

■ 116.9692,
106.5551, 203.2817

■ 0.0000, 0.0000,
0.8240

147.5296,

■ 0.0000, 0.0000,

135.8766, 249.0361

0.0000

182.9970,
170.1368, 301.1873

■ 16.1949, 12.8137,
39.6499

■ 16.1949, 12.8137,
39.6499

■ 13.4592, 9.5405,
39.1625

■ 19.5440, 16.8884,
40.2601

■ 11.2975, 7.0141,
38.7888

■ 23.5395, 21.8116,
40.9998

■ 9.6683, 5.1750,
38.5197

■ 28.2138, 27.6285,
41.8762

■ 8.5235, 3.9540,
38.3444

■ 33.5967, 34.3803,
42.8957

■ 7.7946, 3.2445,
38.2459

■ 39.7162, 42.1059,
44.0644

■ 7.6613, 3.1114,
38.2272

■ 46.5988, 50.8419,
45.3879

■ 54.2696, 60.6232,
46.8716

■ 62.7527, 71.4826,
48.5205

■ 72.0709, 83.4519,
50.3397

Harmonies

Analogous

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



12.2893, 12.8137, 45.7099



16.1949, 12.8137, 39.6499



19.4857, 12.8137, 26.3506

Triad

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



16.1949, 12.8137, 39.6499



15.9656, 12.8137, 2.6665



6.3749, 12.8137, 14.2693

Complementary

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



16.1949, 12.8137, 39.6499



30.2783, 36.7398, 14.9471

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.



6.9741, 12.8137, 6.2195



16.1949, 12.8137, 39.6499



12.0694, 12.8137, 1.9032

Square

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



16.1949, 12.8137, 39.6499



19.3356, 12.8137, 5.9065



8.8888, 12.8137, 2.7724



7.0502, 12.8137, 27.1930

Rectangle

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



16.1949, 12.8137, 39.6499



20.6098, 12.8137, 17.4220



8.8888, 12.8137, 2.7724



6.4326, 12.8137, 10.9763

Sweetspot

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



16.1954, 12.8142, 39.6502



54.3574, 54.0909, 76.5775



23.8083, 29.8915, 42.5452



11.6801, 11.5094, 16.9936



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



16.1954, 12.8142, 39.6502



24.2494, 17.1081, 71.0260



21.6942, 15.6489, 39.9076



7.2314, 7.3519, 9.4563



5.6664, 2.3046, 28.1217



0.1677, 0.0714, 0.6856

Inverse Universe

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



26.3216, 18.1596, 34.4649



44.9991, 28.0789, 59.6184



23.7448, 33.3717, 14.6414



7.7934, 7.6472, 9.2293



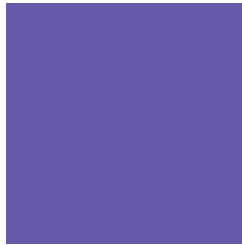
15.9596, 7.7925, 20.3966



0.4009, 0.1946, 0.5624

Previews

White Background



This preview shows how the XYZ color 16.1949, 12.8137, 39.6499 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 16.1949, 12.8137, 39.6499 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

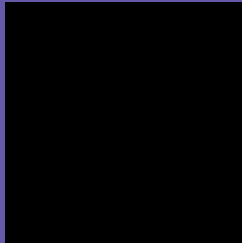
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.1949, 12.8137, 39.6499

Background



This preview shows how black text looks on a background with the XYZ color 16.1949, 12.8137, 39.6499.



This preview shows how white text looks on a background with the XYZ color 16.1949, 12.8137,

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

16.1949, 12.8137, 39.6499

Protanopia

14.3902, 12.9739, 43.8652

Deuteranopia

13.2043, 12.9096, 38.3551



Tritanopia

11.6500, 12.8744, 16.9099

Trichromacy



Original Color

16.1949, 12.8137, 39.6499

Protanomaly

14.8106, 12.8161, 42.2506

Deuteranomaly

14.0151, 12.7543, 38.7689

Tritanomaly

12.9462, 12.6766, 23.5943

Monochromacy



Original Color

16.1949, 12.8137, 39.6499

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

13.5849, 12.9065, 21.8539

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.1949, 12.8137, 39.6499 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(101, 89, 170)` looks like.

```
.text, #text, p{  
    color:rgb(101, 89, 170)  
}
```

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(101, 89, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 89, 170) }
```

Border

The CSS property to change the border of an element to XYZ 16.1949, 12.8137, 39.6499 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(101, 89, 170) }
```


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

```
.border{ border-color:rgb(101, 89, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 89, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 89, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 89, 170);  
box-shadow:4px 4px 4px 4px rgb(101, 89,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 16.1949, 12.8137, 39.6499 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 89, 170) }
```

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

```
.background{ background-color: rgb(101, 89,  
170) }
```

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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