

Converting Colors

XYZ(25.1187, 16.6437, 37.4860)

Have a look what the booklet for
XYZ(25.1187, 16.6437, 37.4860)
contains.

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Color

**XYZ(25.1187, 16.6437,
37.4860)**

Conversions

Conversions Part 1

Format	Color
Hex	A452A5
RGB	164, 82, 165
RGB Percent	64%, 32%, 65%
CMY	0.3569, 0.6784, 0.3529
CMYK	0.01, 0.50, 0.00, 0.35
HSL	299°, 34%, 48%
HSV	299°, 50%, 65%
XYZ	25.1187, 16.6437, 37.4860
YIQ	115.9800, 22.2290, 43.1970

Conversions

Conversions Part 2

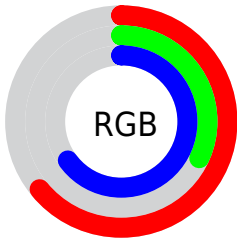
Format	Color
R_{YB}	164, 82, 165
Decimal	10769061
CIE _{Lab}	47.81, 45.83, -30.16
CIE _{LCh}	48, 54.865, 326.652
Yxy	16.6437, 0.3170, 0.2100
Android (android.graphics.Color)	4288959141 (0xFFA452A5)
YUV	115.9800, 24.1669, 42.1135
Hunter-Lab	40.7967, 38.5090, -25.9209

Details

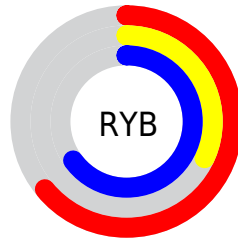
The XYZ color **25.1187, 16.6437, 37.4860** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **18.5459, 29.3589, 12.6727**, and the grayscale version is **16.5184, 17.3787, 18.9254**.

A 20% lighter version of the original color is **51.4010, 37.8674, 72.3102**, and **9.8504, 5.3860, 16.1432** is the 20% darker color. If you saturate the color by 10%, you get **23.9801, 14.4269, 37.1184**, and if you desaturate by 10%, it is **26.5577, 19.4604, 37.9541**.

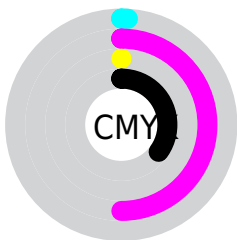
Distribution



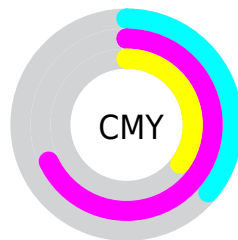
- Red (64%)
- Green (32%)
- Blue (65%)



- Red (64%)
- Yellow (32%)
- Blue (65%)



- Cyan (1%)
- Magenta (50%)
- Yellow (0%)
- Black (35%)



- Cyan (36%)
- Magenta (68%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 25.1187, 16.6437, 37.4860 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 25.1187, 16.6437, 37.4860 by changing the saturation by 10% instead.

■ 25.1187, 16.6437,
37.4860

■ 25.1187, 16.6437,
37.4860

270.7653,
233.1107, 350.6417

■ 16.2947, 9.9808,
25.2853

■ 51.2912, 37.7121,
72.5143

■ 9.8251, 5.3862,
16.0688

■ 69.3705, 52.8865,
96.1789

■ 5.3445, 2.4756,
9.4179

■ 91.2655, 71.6667,
124.5019

■ 2.4876, 0.8644,
4.9143

■ 117.3418, 94.4373,
157.9019

■ 0.8890, 0.0000,
2.1392

■ 147.9645,
121.5826, 196.7973

■ 0.0000, 0.0000,
0.6389

183.4991,

■ 0.0000, 0.0000,

153.4870, 241.6067

0.0000

224.3109,
190.5349, 292.7487

■ 25.1187, 16.6437,
37.4860

■ 25.1187, 16.6437,
37.4860

■ 23.9801, 14.4269,
37.1184

■ 26.5577, 19.4604,
37.9541

■ 23.1183, 12.7640,
36.8428

■ 28.3150, 22.9140,
38.5281

■ 22.5092, 11.6064,
36.6515

■ 30.4091, 27.0411,
39.2143

■ 22.1236, 10.8957,
36.5346

■ 32.8567, 31.8752,
40.0184

■ 21.8987, 10.5047,
36.4710

■ 35.6734, 37.4471,
40.9454

■ 38.8736, 43.7861,
42.0003

■ 42.4712, 50.9199,
43.1876

■ 46.4794, 58.8747,
44.5118

■ 50.9107, 67.6756,
45.9770

Harmonies

Analogous

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



20.4574, 16.6437, 54.7595



25.1187, 16.6437, 37.4860



27.2773, 16.6437, 19.7519

Triad

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



25.1187, 16.6437, 37.4860



16.3786, 16.6437, 2.2945



8.7771, 16.6437, 33.2081

Complementary

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



25.1187, 16.6437, 37.4860



18.5459, 29.3589, 12.6727

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.



8.1256, 16.6437, 16.5846



25.1187, 16.6437, 37.4860



11.9413, 16.6437, 3.0861

Square

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



25.1187, 16.6437, 37.4860



21.6151, 16.6437, 3.5985



9.1556, 16.6437, 6.9303



11.1650, 16.6437, 51.5167

Rectangle

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



25.1187, 16.6437, 37.4860



26.7332, 16.6437, 11.4100



9.1556, 16.6437, 6.9303



8.3723, 16.6437, 27.0551

Sweetspot

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



25.1193, 16.6444, 37.4863



56.5825, 52.6179, 70.9264



13.3945, 10.7565, 36.9678



12.1818, 11.1315, 15.4441



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



25.1193, 16.6444, 37.4863



42.8054, 25.5641, 66.4306



22.2291, 15.5123, 21.1863



7.3559, 7.1978, 8.9047



16.5697, 7.9485, 27.5907



0.3506, 0.1683, 0.5799

Inverse Universe

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



20.0962, 14.6591, 9.9545



32.8219, 21.6227, 11.5093



20.4555, 30.1126, 23.1852



7.0771, 7.0873, 7.3923



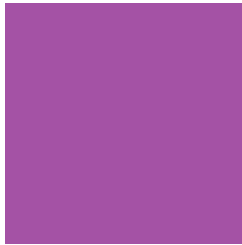
11.7484, 6.0554, 0.5999



0.2478, 0.1276, 0.0177

Previews

White Background



This preview shows how the XYZ color 25.1187, 16.6437, 37.4860 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 25.1187, 16.6437, 37.4860 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

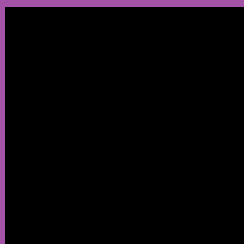
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 25.1187, 16.6437, 37.4860

Background



This preview shows how black text looks on a background with the XYZ color 25.1187, 16.6437, 37.4860.



This preview shows how white text looks on a background with the XYZ color 25.1187, 16.6437,

37.4860.

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

25.1187, 16.6437, 37.4860

Protanopia

18.3720, 16.8359, 50.9965

Deuteranopia

17.2873, 16.9450, 35.6173



Tritanopia

20.4837, 16.6168, 15.2245

Trichromacy



Original Color

25.1187, 16.6437, 37.4860

Protanomaly

19.4532, 15.8300, 45.7463

Deuteranomaly

19.2990, 16.2490, 36.3016

Tritanomaly

21.8911, 16.5316, 21.7758

Monochromacy



Original Color

25.1187, 16.6437, 37.4860

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

18.9263, 16.6084, 24.7625

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.1187, 16.6437, 37.4860 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(164, 82, 165)` looks like.

```
.text, #text, p{  
    color:rgb(164, 82, 165)  
}
```

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(164, 82, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 82, 165) }
```

Border

The CSS property to change the border of an element to XYZ 25.1187, 16.6437, 37.4860 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(164, 82, 165) }
```


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

```
.border{ border-color:rgb(164, 82, 165) }
```

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

Here you see how a box with a 4 pixel rgb(164, 82, 165) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 82, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 82, 165);  
box-shadow:4px 4px 4px 4px rgb(164, 82,  
165) }
```

Background

The CSS property to change the background color of an element to XYZ 25.1187, 16.6437, 37.4860 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 82, 165) }
```

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

```
.background{ background-color: rgb(164, 82,  
165) }
```

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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