

Converting Colors

XYZ(12.5193, 13.8979, 37.3223)

Have a look what the booklet for
XYZ(12.5193, 13.8979, 37.3223)
contains.

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Color

**XYZ(12.5262, 13.9608,
37.1565)**

Conversions

Conversions Part 1

Format	Color
Hex	126EA4
RGB	18, 110, 164
RGB Percent	7%, 43%, 64%
CMY	0.9293, 0.5686, 0.3569
CMYK	0.89, 0.33, 0.00, 0.36
HSL	202°, 80%, 36%
HSV	202°, 89%, 64%
XYZ	12.5262, 13.9608, 37.1565
YIQ	88.6480, -72.1660, -2.7100

Conversions

Conversions Part 2

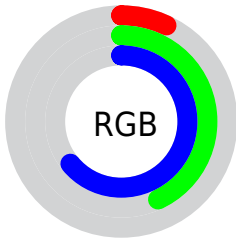
Format	Color
RYB	18, 74, 164
Decimal	1207972
CIELab	44.18, -4.94, -36.01
CIELCh	44, 36.346, 262.196
Yxy	13.9608, 0.1968, 0.2194
Android (android.graphics.Color)	4279398052 (0xFF126EA4)
YUV	88.6480, 37.1485, -61.9583
Hunter-Lab	37.3642, -5.5458, -32.8056

Details

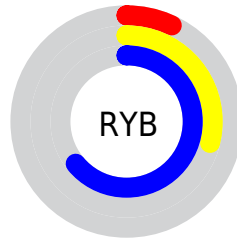
The XYZ color **12.5262, 13.9608, 37.1565** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **17.7377, 12.5731, 2.0649**, and the grayscale version is **9.3513, 9.8383, 10.7139**.

A 20% lighter version of the original color is **29.9447, 32.8795, 71.7860**, and **4.7021, 4.7249, 15.9934** is the 20% darker color. If you saturate the color by 10%, you get **11.6649, 12.5783, 36.9354**, and if you desaturate by 10%, it is **13.6276, 15.5339, 37.4024**.

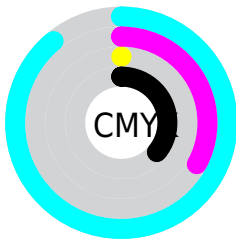
Distribution



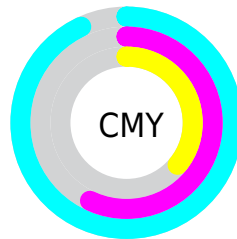
- Red (7%)
- Green (43%)
- Blue (64%)



- Red (7%)
- Yellow (29%)
- Blue (64%)



- Cyan (89%)
- Magenta (33%)
- Yellow (0%)
- Black (36%)



- Cyan (93%)
- Magenta (57%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.5262, 13.9608, 37.1565 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 12.5262, 13.9608, 37.1565 by changing the saturation by 10% instead.

■ 12.5262, 13.9608,
37.1565

■ 12.5262, 13.9608,
37.1565

■ 201.5580,
216.9868, 349.1767

■ 7.1778, 8.0934,
25.0319

■ 30.0585, 33.0195,
72.0024

■ 3.6209, 4.1548,
15.8816

■ 42.9732, 46.9795,
95.5609

■ 1.4900, 1.7605,
9.2870

■ 59.1407, 64.4059,
123.7677

■ 0.3190, 0.4624,
4.8295

■ 78.9264, 85.6830,
157.0415

■ 0.0000, 0.0000,
2.0906

■ 102.6956,
111.1953, 195.8007

■ 0.0000, 0.0000,
0.6102

■ 130.8137,

■ 0.0000, 0.0000,

141.3271, 240.4640

0.0000

163.6461,
176.4628, 291.4498

■ 12.5262, 13.9608,
37.1565

■ 12.5262, 13.9608,
37.1565

■ 11.6649, 12.5783,
36.9354

■ 13.6276, 15.5339,
37.4024

■ 11.5847, 12.4480,
36.9144

■ 15.0329, 17.3314,
37.6753

■ 16.7759, 19.3720,
37.9773

■ 18.8849, 21.6716,
38.3100

■ 21.3851, 24.2443,
38.6748

■ 24.2995, 27.1032,
39.0730

■ 27.6489, 30.2600,
39.5058

■ 31.4528, 33.7261,
39.9743

■ 35.7295, 37.5117,
40.4796

Harmonies

Analogous

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



10.1354, 13.9608, 31.6388



12.5262, 13.9608, 37.1565



15.4900, 13.9608, 35.3085

Triad

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



12.5262, 13.9608, 37.1565



19.1331, 13.9608, 9.9294



9.3320, 13.9608, 7.3609

Complementary

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



12.5262, 13.9608, 37.1565



17.7377, 12.5731, 2.0649

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.



11.2717, 13.9608, 4.6885



12.5262, 13.9608, 37.1565



16.9905, 13.9608, 5.7501

Square

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



12.5262, 13.9608, 37.1565



19.5984, 13.9608, 17.4750



14.0413, 13.9608, 4.2314



8.4747, 13.9608, 13.1332

Rectangle

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



12.5262, 13.9608, 37.1565



17.3796, 13.9608, 30.3734



14.0413, 13.9608, 4.2314



9.8643, 13.9608, 6.1716

Sweetspot

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



12.5267, 13.9613, 37.1569



44.9718, 50.0245, 71.0378



14.6802, 27.1419, 10.5184



9.4342, 10.5542, 15.4775



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.



12.5267, 13.9613, 37.1569



20.8226, 22.1842, 66.9368



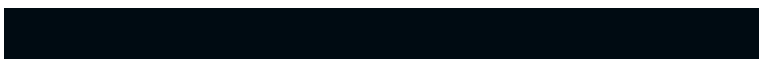
7.6273, 4.1624, 35.5237



7.0548, 7.5686, 8.9921



8.9292, 9.6378, 28.3194



0.2305, 0.2882, 0.6093

Inverse Universe

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



18.3411, 9.4516, 15.6099



32.1609, 16.0746, 24.3174



25.4740, 28.0456, 4.6437



7.2526, 7.1575, 8.3168



13.6525, 6.8171, 10.6266



0.3085, 0.1519, 0.3372

Previews

White Background



This preview shows how the XYZ color 12.5262, 13.9608, 37.1565 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 12.5262, 13.9608, 37.1565 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

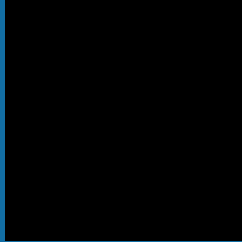
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.5262, 13.9608, 37.1565

Background



This preview shows how black text looks on a background with the XYZ color 12.5262, 13.9608, 37.1565.



This preview shows how white text looks on a background with the XYZ color 12.5262, 13.9608,

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

12.5262, 13.9608, 37.1565

Protanopia

14.5835, 13.8684, 33.8065

Deuteranopia

14.1961, 13.8825, 37.5287



Tritanopia

9.8835, 13.9460, 21.2397

Trichromacy



Original Color

12.5262, 13.9608, 37.1565

Protanomaly

13.3212, 13.6333, 35.1871

Deuteranomaly

13.2610, 13.7028, 37.5433

Tritanomaly

10.7651, 13.9439, 26.5502

Monochromacy



Original Color

12.5262, 13.9608, 37.1565

Achromatopsia

9.4954, 9.9899, 10.8790

Achromatomaly

9.4770, 10.8671, 18.1211

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.5262, 13.9608, 37.1565 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(18, 110, 164)` looks like.

```
.text, #text, p{  
    color:rgb(18, 110, 164)  
}
```

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(18, 110, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(18, 110, 164) }
```

Border

The CSS property to change the border of an element to XYZ 12.5262, 13.9608, 37.1565 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(18, 110, 164) }
```


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

```
.border{ border-color:rgb(18, 110, 164) }
```

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

Here you see how a box with a 4 pixel rgb(18, 110, 164) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(18, 110, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(18, 110, 164);  
box-shadow:4px 4px 4px 4px rgb(18, 110,  
164) }
```

Background

The CSS property to change the background color of an element to XYZ 12.5262, 13.9608, 37.1565 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(18, 110, 164) }
```

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

```
.background{ background-color: rgb(18, 110,  
164) }
```

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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