

Converting Colors

XYZ(21.0037, 13.6889, 36.6572)

Have a look what the booklet for
XYZ(21.0037, 13.6889, 36.6572)
contains.

XYZ(21.0037, 13.6889, 36.6572)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(21.0037, 13.6889,
36.6572)**

Conversions

Conversions Part 1

Format	Color
Hex	924AA4
RGB	146, 74, 164
RGB Percent	57%, 29%, 64%
CMY	0.4274, 0.7098, 0.3569
CMYK	0.11, 0.55, 0.00, 0.36
HSL	288°, 38%, 47%
HSV	288°, 55%, 64%
XYZ	21.0037, 13.6889, 36.6572
YIQ	105.7880, 14.0220, 43.2540

Conversions

Conversions Part 2

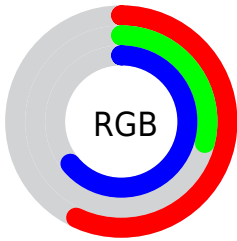
Format	Color
R_{YB}	146, 74, 164
Decimal	9587364
CIE _{Lab}	43.78, 44.60, -36.06
CIE _{LCh}	44, 57.354, 321.047
Yxy	13.6889, 0.2944, 0.1919
Android (android.graphics.Color)	4287777444 (0xFF924AA4)
YUV	105.7880, 28.6985, 35.2659
Hunter-Lab	36.9985, 36.5853, -32.8441

Details

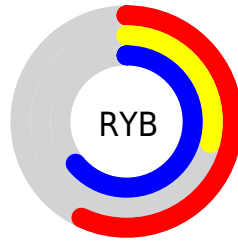
The XYZ color **21.0037, 13.6889, 36.6572** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **18.9256, 29.3210, 11.1412**, and the grayscale version is **13.5635, 14.2699, 15.5399**.

A 20% lighter version of the original color is **44.6042, 32.5927, 70.9580**, and **7.7257, 4.0708, 15.7078** is the 20% darker color. If you saturate the color by 10%, you get **19.4736, 11.4814, 36.3120**, and if you desaturate by 10%, it is **22.8370, 16.4770, 37.0989**.

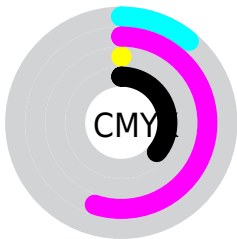
Distribution



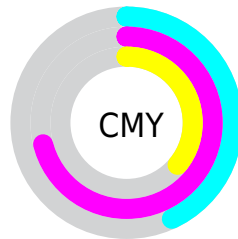
- Red (57%)
- Green (29%)
- Blue (64%)



- Red (57%)
- Yellow (29%)
- Blue (64%)



- Cyan (11%)
- Magenta (55%)
- Yellow (0%)
- Black (36%)





- Cyan (43%)
- Magenta (71%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.0037, 13.6889, 36.6572 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 21.0037, 13.6889, 36.6572 by changing the saturation by 10% instead.


 21.0037, 13.6889,
36.6572


 21.0037, 13.6889,
36.6572


250.0295,
215.2868, 346.9479


 13.2392, 7.9046,
24.6485


 44.5849, 32.5360,
71.2257


 7.6716, 4.0340,
15.5987


 61.1323, 46.3676,
94.6225


 3.9356, 1.6926,
9.0894


 81.3381, 63.6504,
122.6524

 1.6657, 0.4188,
4.7019

 105.5676, 84.7689,
155.7341

 0.4347, 0.0000,
2.0178

 134.1861,
110.1073, 194.2859

 0.0000, 0.0000,
0.5662

167.5590,

 0.0000, 0.0000,

140.0502, 238.7264

0.0000

206.0517,
174.9819, 289.4742

■ 21.0037, 13.6889,
36.6572

■ 21.0037, 13.6889,
36.6572

■ 19.4736, 11.4814,
36.3120

■ 22.8370, 16.4770,
37.0989

■ 18.2222, 9.8074,
36.0548

■ 24.9923, 19.8845,
37.6431

■ 17.2240, 8.6150,
35.8773

■ 27.4887, 23.9489,
38.2960

■ 16.4463, 7.8397,
35.7686

■ 30.3433, 28.7042,
39.0634

■ 16.0922, 7.5217,
35.7259

■ 33.5719, 34.1819,
39.9506

■ 37.1895, 40.4118,
40.9624

■ 41.2101, 47.4218,
42.1035

■ 45.6472, 55.2385,
43.3784

■ 50.5134, 63.8870,
44.7913

Harmonies

Analogous

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



16.3869, 13.6889, 52.2721



21.0037, 13.6889, 36.6572



23.6177, 13.6889, 19.1221

Triad

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



21.0037, 13.6889, 36.6572



14.4103, 13.6889, 1.3614



6.4705, 13.6889, 25.7446

Complementary

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



21.0037, 13.6889, 36.6572



18.9256, 29.3210, 11.1412

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.



6.1776, 13.6889, 11.3583



21.0037, 13.6889, 36.6572



10.1337, 13.6889, 1.6555

Square

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



21.0037, 13.6889, 36.6572



19.2726, 13.6889, 2.7210



7.3568, 13.6889, 4.0966



8.2777, 13.6889, 43.8335

Rectangle

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



21.0037, 13.6889, 36.6572



23.5358, 13.6889, 10.6278



7.3568, 13.6889, 4.0966



6.2112, 13.6889, 20.1985

Sweetspot

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



21.0042, 13.6895, 36.6575



54.2987, 50.7940, 70.6947



13.3526, 11.7911, 36.6944



11.6442, 10.7251, 15.3940



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.



21.0042, 13.6895, 36.6575



34.7662, 20.0377, 65.7876



22.2744, 14.5967, 25.3109



7.2249, 7.1303, 8.8986



12.3777, 5.7874, 27.3945



0.2934, 0.1388, 0.5772

Inverse Universe

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



19.6908, 13.5633, 11.7059



32.5152, 20.0103, 14.4867



18.4489, 28.9467, 16.9275



7.1290, 7.1081, 7.6658



11.9615, 6.1406, 1.7217



0.2662, 0.1350, 0.1145

Previews

White Background



This preview shows how the XYZ color 21.0037, 13.6889, 36.6572 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 21.0037, 13.6889, 36.6572 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

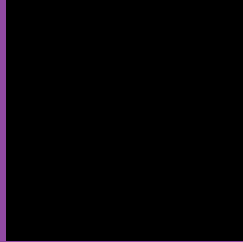
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 21.0037, 13.6889, 36.6572

Background



This preview shows how black text looks on a background with the XYZ color 21.0037, 13.6889, 36.6572.



This preview shows how white text looks on a background with the XYZ color 21.0037, 13.6889,

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

21.0037, 13.6889, 36.6572

Protanopia

15.7025, 13.9421, 50.0076

Deuteranopia

14.2689, 13.9816, 34.7476



Tritanopia

16.2622, 13.6824, 13.3391

Trichromacy



Original Color

21.0037, 13.6889, 36.6572

Protanomaly

16.2937, 13.0016, 44.8308

Deuteranomaly

15.8269, 13.2267, 35.4371

Tritanomaly

17.5766, 13.4776, 20.0874

Monochromacy



Original Color

21.0037, 13.6889, 36.6572

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

15.7186, 13.6027, 21.8758

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.0037, 13.6889, 36.6572 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(146, 74, 164)` looks like.

```
.text, #text, p{  
    color:rgb(146, 74, 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(146, 74, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 74, 164) }
```

Border

The CSS property to change the border of an element to XYZ 21.0037, 13.6889, 36.6572 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(146, 74, 164) }
```


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

```
.border{ border-color:rgb(146, 74, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 74, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 74, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 74, 164);  
box-shadow:4px 4px 4px 4px rgb(146, 74,  
164) }
```

Background

The CSS property to change the background color of an element to XYZ 21.0037, 13.6889, 36.6572 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 74, 164) }
```

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

```
.background{ background-color: rgb(146, 74,  
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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