

Converting Colors

XYZ(23.8487, 22.2512, 36.7565)

Have a look what the booklet for
XYZ(23.8487, 22.2512, 36.7565)
contains.

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Color

**XYZ(23.7940, 22.2228,
36.7536)**

Conversions

Conversions Part 1

Format	Color
Hex	887CA1
RGB	136, 124, 161
RGB Percent	53%, 49%, 63%
CMY	0.4667, 0.5137, 0.3686
CMYK	0.16, 0.23, 0.00, 0.37
HSL	259°, 16%, 56%
HSV	259°, 23%, 63%
XYZ	23.7940, 22.2228, 36.7536
YIQ	131.8060, -4.7250, 14.0510

Conversions

Conversions Part 2

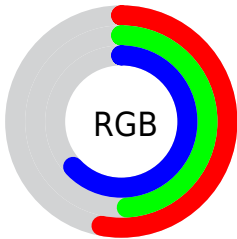
Format	Color
R_{YB}	136, 124, 161
Decimal	8944801
CIE _{Lab}	54.26, 12.27, -18.11
CIE _{LCh}	54, 21.875, 304.108
Yxy	22.2228, 0.2875, 0.2685
Android (android.graphics.Color)	4287134881 (0xFF887CA1)
YUV	131.8060, 14.3926, 3.6781
Hunter-Lab	47.1411, 7.5993, -13.2268

Details

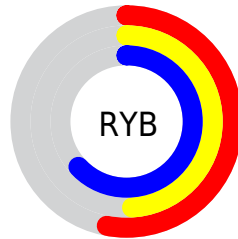
The XYZ color **23.7940, 22.2228, 36.7536** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **28.7783, 33.3352, 23.9874**, and the grayscale version is **21.8139, 22.9500, 24.9925**.

A 20% lighter version of the original color is **49.3520, 47.3493, 71.5039**, and **9.1141, 8.1147, 15.5539** is the 20% darker color. If you saturate the color by 10%, you get **20.2608, 17.6471, 36.0570**, and if you desaturate by 10%, it is **27.8375, 27.5516, 37.5694**.

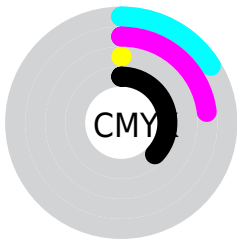
Distribution



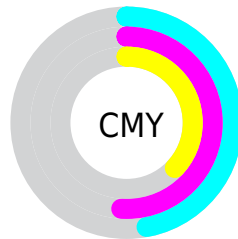
- Red (53%)
- Green (49%)
- Blue (63%)



- Red (53%)
- Yellow (49%)
- Blue (63%)



- Cyan (16%)
- Magenta (23%)
- Yellow (0%)
- Black (37%)



- Cyan (47%)
- Magenta (51%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.7940, 22.2228, 36.7536 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 23.7940, 22.2228, 36.7536 by changing the saturation by 10% instead.

■ 23.7940, 22.2228,
36.7536

■ 23.7940, 22.2228,
36.7536

264.2372,
263.7076, 347.3790

■ 15.3048, 14.0207,
24.7225

■ 49.1510, 47.1140,
71.3757

■ 9.1213, 8.1351,
15.6533

■ 66.7494, 64.5718,
94.8039

■ 4.8781, 4.1815,
9.1275

■ 88.1150, 85.8837,
122.8680

■ 2.2099, 1.7756,
4.7265

113.6130,
111.4340, 155.9868

■ 0.7480, 0.4719,
2.0318

143.6089,
141.6072, 194.5788

■ 0.0000, 0.0000,
0.5747

178.4680,

■ 0.0000, 0.0000,

176.7876, 239.0625

0.0000

218.5557,
217.3596, 289.8564

■ 23.7940, 22.2228,
36.7536

■ 23.7940, 22.2228,
36.7536

■ 20.2608, 17.6471,
36.0570

■ 27.8375, 27.5516,
37.5694

■ 17.2143, 13.7872,
35.4725

■ 32.4090, 33.6632,
38.5081

■ 14.6325, 10.6064,
34.9946

■ 37.5281, 40.5890,
39.5751

■ 12.4905, 8.0639,
34.6168

■ 43.2129, 48.3579,
40.7750

■ 10.7609, 6.1140,
34.3316

■ 49.4802, 56.9971,
42.1123

■ 9.4129, 4.7050,
34.1306

■ 56.3465, 66.5329,
43.5910

■ 8.4106, 3.7755,
34.0041

■ 63.8275, 76.9903,
45.2152

■ 7.8601, 3.3089,
33.9430

■ 71.9382, 88.3934,
46.9887

■ 76.0960, 91.5708,
47.3829

Harmonies

Analogous

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



21.4517, 22.2228, 39.7674



23.7940, 22.2228, 36.7536



25.5130, 22.2228, 30.3840

Triad

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



23.7940, 22.2228, 36.7536



23.1844, 22.2228, 14.2165



16.8779, 22.2228, 25.1481

Complementary

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



23.7940, 22.2228, 36.7536



28.7783, 33.3352, 23.9874

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.



17.2664, 22.2228, 18.9124



23.7940, 22.2228, 36.7536



20.7959, 22.2228, 13.3360

Square

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



23.7940, 22.2228, 36.7536



25.1429, 22.2228, 17.5656



18.6581, 22.2228, 14.8855



17.5546, 22.2228, 32.3166

Rectangle

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



23.7940, 22.2228, 36.7536



26.0098, 22.2228, 25.5675



18.6581, 22.2228, 14.8855



16.8886, 22.2228, 22.8761

Sweetspot

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



23.7947, 22.2237, 36.7541



54.5249, 55.5692, 68.2387



25.5383, 28.4438, 37.8628



11.8611, 12.0573, 14.9458



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.



23.7947, 22.2237, 36.7541



38.9936, 35.0924, 65.1049



27.0091, 23.8808, 36.9045



6.9067, 6.9663, 8.8837



6.3164, 2.6627, 27.1108



0.1804, 0.0805, 0.5719

Inverse Universe

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



27.3312, 24.1633, 31.6585



46.6241, 39.2819, 53.9051



25.7103, 31.7536, 23.8439



7.2661, 7.1629, 8.3879



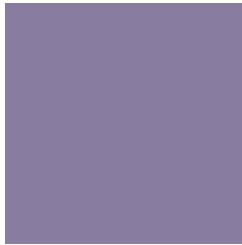
13.9536, 6.9375, 12.2121



0.3134, 0.1539, 0.3630

Previews

White Background



This preview shows how the XYZ color 23.7940, 22.2228, 36.7536 looks on a white 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

Black Background



This preview shows how the XYZ color 23.7940, 22.2228, 36.7536 looks on a black 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

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

XYZ 23.7940, 22.2228, 36.7536

Background



This preview shows how black text looks on a background with the XYZ color 23.7940, 22.2228, 36.7536.



This preview shows how white text looks on a background with the XYZ color 23.7940, 22.2228,

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

23.7940, 22.2228, 36.7536

Protanopia

22.3052, 22.1836, 38.2282

Deuteranopia

22.6869, 22.2288, 36.3526



Tritanopia

21.8223, 22.1789, 27.1755

Trichromacy



Original Color

23.7940, 22.2228, 36.7536

Protanomaly

22.8044, 22.2587, 37.7448

Deuteranomaly

23.0119, 22.2056, 36.3310

Tritanomaly

22.4505, 22.2406, 30.3037

Monochromacy



Original Color

23.7940, 22.2228, 36.7536

Achromatopsia

21.9318, 23.0740, 25.1276

Achromatomaly

22.4810, 22.6702, 29.1775

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.7940, 22.2228, 36.7536 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(136, 124, 161)` looks like.

```
.text, #text, p{  
    color:rgb(136, 124, 161)  
}
```

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(136, 124, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 124, 161) }
```

Border

The CSS property to change the border of an element to XYZ 23.7940, 22.2228, 36.7536 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(136, 124, 161) }
```


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

```
.border{ border-color:rgb(136, 124, 161) }
```

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

Here you see how a box with a 4 pixel rgb(136, 124, 161) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 124, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 124, 161);  
box-shadow:4px 4px 4px 4px rgb(136, 124,  
161) }
```

Background

The CSS property to change the background color of an element to XYZ 23.7940, 22.2228, 36.7536 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 124, 161) }
```

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

```
.background{ background-color: rgb(136,  
124, 161) }
```

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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