

Converting Colors

XYZ(22.3821, 24.6061, 37.3092)

Have a look what the booklet for
XYZ(22.3821, 24.6061, 37.3092)
contains.

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Color

**XYZ(22.3477, 24.4832,
37.2661)**

Conversions

Conversions Part 1

Format	Color
Hex	708BA1
RGB	112, 139, 161
RGB Percent	44%, 55%, 63%
CMY	0.5608, 0.4549, 0.3686
CMYK	0.30, 0.14, 0.00, 0.37
HSL	207°, 21%, 54%
HSV	207°, 30%, 63%
XYZ	22.3477, 24.4832, 37.2661
YIQ	133.4350, -23.1540, 1.1180

Conversions

Conversions Part 2

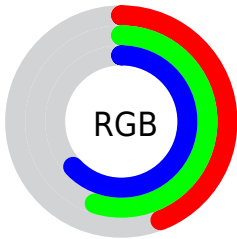
Format	Color
RYB	112, 129, 161
Decimal	7375777
CIELab	56.57, -4.19, -14.78
CIELCh	57, 15.364, 254.171
Yxy	24.4832, 0.2657, 0.2911
Android (android.graphics.Color)	4285565857 (0xFF708BA1)
YUV	133.4350, 13.5895, -18.7985
Hunter-Lab	49.4805, -5.9720, -10.0177

Details

The XYZ color **22.3477, 24.4832, 37.2661** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **26.1479, 25.7972, 18.9310**, and the grayscale version is **22.4115, 23.5787, 25.6772**.

A 20% lighter version of the original color is **46.7614, 50.6565, 72.2788**, and **8.3193, 9.2730, 15.8194** is the 20% darker color. If you saturate the color by 10%, you get **19.4674, 21.4962, 36.8418**, and if you desaturate by 10%, it is **25.6651, 27.7994, 37.7318**.

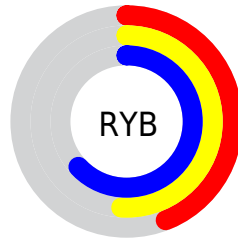
Distribution



Red (44%)

Green (55%)

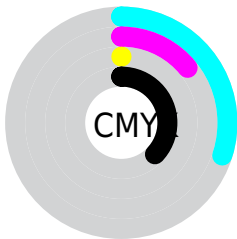
Blue (63%)



Red (44%)

Yellow (51%)

Blue (63%)

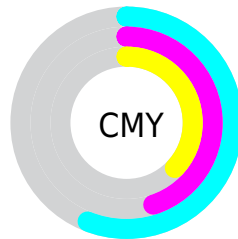


Cyan (30%)

Magenta (14%)

Yellow (0%)

Black (37%)



Cyan (56%)

Magenta (45%)

Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.3477, 24.4832, 37.2661 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 22.3477, 24.4832, 37.2661 by changing the saturation by 10% instead.

■ 22.3477, 24.4832,
37.2661

■ 22.3477, 24.4832,
37.2661

256.9551,
275.2544, 349.6645

■ 14.2306, 15.6924,
25.1162

■ 46.7946, 50.8176,
72.1728

■ 8.3640, 9.3068,
15.9438

■ 63.8551, 69.1300,
95.7666

■ 4.3825, 4.9418,
9.3305

■ 84.6275, 91.3851,
124.0121

■ 1.9207, 2.2132,
4.8576

■ 109.4772,
117.9672, 157.3279

■ 0.5888, 0.7272,
2.1067

138.7694,
149.2608, 196.1325

■ 0.0000, 0.0000,
0.6197

172.8695,

■ 0.0000, 0.0000,

185.6503, 240.8444

0.0000

212.1430,
227.5200, 291.8822

■ 22.3477, 24.4832,
37.2661

■ 22.3477, 24.4832,
37.2661

■ 19.4674, 21.4962,
36.8418

■ 25.6651, 27.7994,
37.7318

■ 17.0010, 18.8228,
36.4558

■ 29.4365, 31.4538,
38.2384

■ 14.9266, 16.4502,
36.1071

■ 33.6811, 35.4585,
38.7876

■ 13.2190, 14.3634,
35.7943

■ 38.4157, 39.8243,
39.3808

■ 11.8500, 12.5455,
35.5156

■ 43.6566, 44.5612,
40.0189

■ 10.7863, 10.9773,
35.2690

■ 49.4194, 49.6789,
40.7029

■ 9.9822, 9.6715,
35.0593

■ 55.7186, 55.1867,
41.4341

■ 62.5685, 61.0936,
42.2132

■ 69.2792, 67.0455,
43.0083

Harmonies

Analogous

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



20.8967, 24.4832, 34.1030



22.3477, 24.4832, 37.2661



24.1201, 24.4832, 37.3581

Triad

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



22.3477, 24.4832, 37.2661



26.7560, 24.4832, 24.3254



20.9621, 24.4832, 20.2164

Complementary

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



22.3477, 24.4832, 37.2661



26.1479, 25.7972, 18.9310

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.



22.4411, 24.4832, 18.2252



22.3477, 24.4832, 37.2661



25.8177, 24.4832, 20.3840

Square

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



22.3477, 24.4832, 37.2661



26.7278, 24.4832, 29.4275



24.2185, 24.4832, 18.2823



20.1250, 24.4832, 24.0681

Rectangle

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



22.3477, 24.4832, 37.2661



25.2501, 24.4832, 35.6365



24.2185, 24.4832, 18.2823



21.3973, 24.4832, 19.3305

Sweetspot

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



22.3485, 24.4842, 37.2667



53.6319, 57.2026, 68.6010



23.6772, 30.6349, 26.9406



11.5445, 12.3376, 15.0166



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.



22.3485, 24.4842, 37.2667



36.2019, 39.9062, 66.1812



19.2768, 18.3409, 36.2428



7.0088, 7.4766, 8.9768



8.0135, 7.8064, 28.0142



0.2147, 0.2567, 0.6041

Inverse Universe

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



25.1529, 21.0301, 27.1607



42.2136, 33.0704, 44.3902



29.8044, 33.1102, 20.1498



7.2294, 7.1482, 8.1945



13.1903, 6.6322, 8.1928



0.3005, 0.1487, 0.2953

Previews

White Background



This preview shows how the XYZ color 22.3477, 24.4832, 37.2661 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 22.3477, 24.4832, 37.2661 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

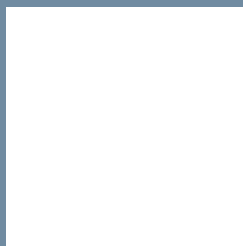
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 22.3477, 24.4832, 37.2661

Background



This preview shows how black text looks on a background with the XYZ color 22.3477, 24.4832, 37.2661.



This preview shows how white text looks on a background with the XYZ color 22.3477, 24.4832,

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

22.3477, 24.4832, 37.2661

Protanopia

24.0567, 24.3441, 35.7787

Deuteranopia

24.7645, 24.2621, 37.5602



Tritanopia

21.6228, 24.6317, 33.3205

Trichromacy



Original Color

22.3477, 24.4832, 37.2661

Protanomaly

23.3743, 24.3966, 36.2779

Deuteranomaly

23.9380, 24.4486, 37.6398

Tritanomaly

21.8500, 24.5022, 34.5881

Monochromacy



Original Color

22.3477, 24.4832, 37.2661

Achromatopsia

22.2940, 23.4551, 25.5426

Achromatomaly

22.0793, 23.6711, 29.3919

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.3477, 24.4832, 37.2661 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(112, 139, 161)` looks like.

```
.text, #text, p{  
    color:rgb(112, 139, 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(112, 139, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 139, 161) }
```

Border

The CSS property to change the border of an element to XYZ 22.3477, 24.4832, 37.2661 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(112, 139, 161) }
```


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

```
.border{ border-color:rgb(112, 139, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 139, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 139, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 139, 161);  
box-shadow:4px 4px 4px 4px rgb(112, 139,  
161) }
```

Background

The CSS property to change the background color of an element to XYZ 22.3477, 24.4832, 37.2661 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 139, 161) }
```

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

```
.background{ background-color: rgb(112,  
139, 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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