

Converting Colors

XYZ(32.2197, 22.5519, 73.1535)

Have a look what the booklet for
XYZ(32.2197, 22.5519, 73.1535)
contains.

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Color

**XYZ(32.2164, 22.5529,
73.1762)**

Conversions

Conversions Part 1

Format	Color
Hex	9C69E0
RGB	156, 105, 224
RGB Percent	61%, 41%, 88%
CMY	0.3882, 0.5882, 0.1216
CMYK	0.30, 0.53, 0.00, 0.12
HSL	266°, 66%, 65%
HSV	266°, 53%, 88%
XYZ	32.2164, 22.5529, 73.1762
YIQ	133.8150, -7.8030, 47.8210

Conversions

Conversions Part 2

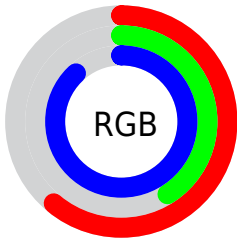
Format	Color
RYB	156, 105, 224
Decimal	10250720
CIELab	54.61, 44.27, -53.45
CIElCh	55, 69.400, 309.635
Yxy	22.5529, 0.2518, 0.1763
Android (android.graphics.Color)	4288440800 (0xFF9C69E0)
YUV	133.8150, 44.4612, 19.4562
Hunter-Lab	47.4899, 37.9843, -58.1158

Details

The XYZ color **32.2164, 22.5529, 73.1762** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **46.4394, 63.2159, 23.1196**, and the grayscale version is **22.4371, 23.6056, 25.7065**.

A 20% lighter version of the original color is **57.7174, 45.8199, 100.4098**, and **13.6896, 8.2689, 37.9203** is the 20% darker color. If you saturate the color by 10%, you get **27.8804, 17.3655, 72.4039**, and if you desaturate by 10%, it is **37.4160, 29.0780, 74.1620**.

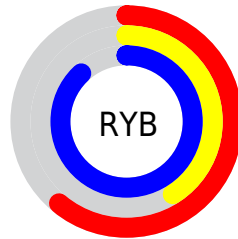
Distribution



Red (61%)

Green (41%)

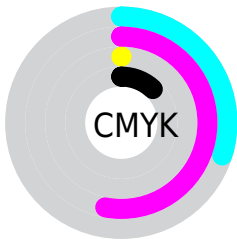
Blue (88%)



Red (61%)

Yellow (41%)

Blue (88%)

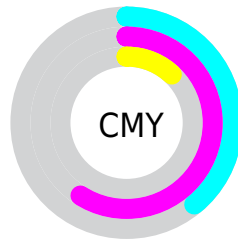


Cyan (30%)

Magenta (53%)

Yellow (0%)

Black (12%)



Cyan (39%)

Magenta (59%)

Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.2164, 22.5529, 73.1762 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 32.2164, 22.5529, 73.1762 by changing the saturation by 10% instead.

■ 32.2164, 22.5529,
73.1762

■ 32.2164, 22.5529,
73.1762

303.8316,
265.4202, 490.7124

■ 21.6832, 14.2637,
53.6274

■ 62.5131, 47.6581,
125.4506

■ 13.7396, 8.3043,
37.9127

■ 83.0073, 65.2430,
159.0131

■ 8.0203, 4.2903,
25.6136

■ 107.5525, 86.6952,
198.0840

■ 4.1598, 1.8372,
16.3116

■ 136.5141,
112.3991, 243.0818

■ 1.7929, 0.5102,
9.5882

170.2575,
142.7392, 294.4250

■ 0.5134, 0.0000,
5.0248

209.1480,

■ 0.0000, 0.0000,

178.0998, 352.5321

2.2028

253.5509,
218.8654, 417.8218

■ 0.0000, 0.0000,
0.6760

■ 0.0000, 0.0000,
0.0000

■ 32.2164, 22.5529,
73.1762

■ 32.2164, 22.5529,
73.1762

■ 27.8804, 17.3655,
72.4039

■ 37.4160, 29.0780,
74.1620

■ 24.3490, 13.4126,
71.8270

■ 43.5272, 37.0284,
75.3745

■ 21.5589, 10.5793,
71.4272

■ 50.5973, 46.4868,
76.8275

■ 19.4338, 8.7264,
71.1815

■ 58.6695, 57.5289,
78.5334

■ 18.2787, 7.8688,
71.0769

■ 67.7841, 70.2250,
80.5037

■ 77.9789, 84.6414,
82.7490

■ 87.0811, 96.4227,
84.5433

■ 90.4546, 98.1619,
84.7011

Harmonies

Analogous

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



23.9849, 22.5529, 93.5903



32.2164, 22.5529, 73.1762



38.3314, 22.5529, 42.2625

Triad

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



32.2164, 22.5529, 73.1762



26.9547, 22.5529, 2.4780



9.9853, 22.5529, 32.2769

Complementary

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



32.2164, 22.5529, 73.1762



46.4394, 63.2159, 23.1196

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.



10.4179, 22.5529, 12.6490



32.2164, 22.5529, 73.1762



19.0741, 22.5529, 2.0630

Square

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



32.2164, 22.5529, 73.1762



34.8283, 22.5529, 6.3280



13.3765, 22.5529, 4.3350



12.0098, 22.5529, 62.2678

Rectangle

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



32.2164, 22.5529, 73.1762



39.6973, 22.5529, 24.8251



13.3765, 22.5529, 4.3350



9.8617, 22.5529, 24.2894

Sweetspot

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



32.2173, 22.5537, 73.1767



75.3241, 72.5178, 104.6351



34.4976, 38.8192, 76.1961



15.6360, 14.8551, 22.2932



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



32.2173, 22.5537, 73.1767



36.7083, 22.4943, 97.0148



46.2626, 29.7943, 73.8340



13.5063, 13.5290, 17.2872



10.7653, 4.6450, 41.3775



0.8471, 0.3740, 2.8728

Inverse Universe

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



43.3354, 28.9682, 42.8428



53.8127, 32.3848, 49.3444



36.2654, 57.9710, 22.6434



14.0338, 13.8311, 15.9481



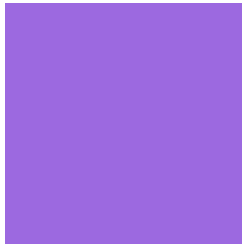
20.2197, 10.1549, 13.0888



1.4461, 0.7217, 1.1421

Previews

White Background



This preview shows how the XYZ color 32.2164, 22.5529, 73.1762 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 32.2164, 22.5529, 73.1762 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

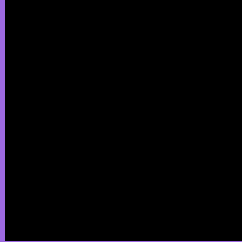
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 32.2164, 22.5529, 73.1762

Background



This preview shows how black text looks on a background with the XYZ color 32.2164, 22.5529, 73.1762.



This preview shows how white text looks on a background with the XYZ color 32.2164, 22.5529,

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

32.2164, 22.5529, 73.1762

Protanopia

26.5387, 23.0259, 90.2345

Deuteranopia

23.5047, 22.9041, 69.5118



Tritanopia

22.7522, 22.4739, 26.8056

Trichromacy



Original Color

32.2164, 22.5529, 73.1762



Protanomaly

27.1750, 22.0193, 83.7068



Deuteranomaly

25.3573, 21.9112, 70.6029



Tritanomaly

25.4353, 22.0780, 40.4570

Monochromacy



Original Color

32.2164, 22.5529, 73.1762



Achromatopsia

22.6597, 23.8398, 25.9615



Achromatomaly

25.2133, 22.7067, 39.6132

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.2164, 22.5529, 73.1762 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(156, 105, 224)` looks like.

```
.text, #text, p{  
    color:rgb(156, 105, 224)  
}
```

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(156, 105, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 105, 224) }
```

Border

The CSS property to change the border of an element to XYZ 32.2164, 22.5529, 73.1762 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(156, 105, 224) }
```


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

```
.border{ border-color:rgb(156, 105, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 105, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 105, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 105, 224);  
box-shadow:4px 4px 4px 4px rgb(156, 105,  
224) }
```

Background

The CSS property to change the background color of an element to XYZ 32.2164, 22.5529, 73.1762 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 105, 224) }
```

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

```
.background{ background-color: rgb(156,  
105, 224) }
```

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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