

Converting Colors

XYZ(32.5572, 22.8949, 64.3318)

Have a look what the booklet for
XYZ(32.5572, 22.8949, 64.3318)
contains.

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Color

**XYZ(32.5353, 22.9133,
64.3359)**

Conversions

Conversions Part 1

Format	Color
Hex	A669D3
RGB	166, 105, 211
RGB Percent	65%, 41%, 83%
CMY	0.3490, 0.5882, 0.1725
CMYK	0.21, 0.50, 0.00, 0.17
HSL	275°, 55%, 62%
HSV	275°, 50%, 83%
XYZ	32.5353, 22.9133, 64.3359
YIQ	135.3230, 2.3300, 45.8980

Conversions

Conversions Part 2

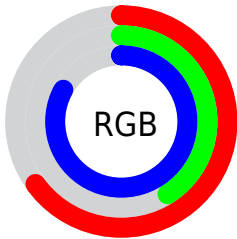
Format	Color
RYB	166, 105, 211
Decimal	10906067
CIELab	54.98, 43.80, -45.44
CIElCh	55, 63.117, 313.948
Yxy	22.9133, 0.2716, 0.1913
Android (android.graphics.Color)	4289096147 (0xFFA669D3)
YUV	135.3230, 37.3088, 26.9037
Hunter-Lab	47.8678, 37.5560, -46.1802

Details

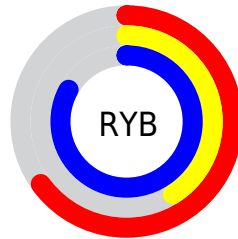
The XYZ color **32.5353, 22.9133, 64.3359** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **38.4224, 54.0930, 21.7814**, and the grayscale version is **23.0150, 24.2135, 26.3685**.

A 20% lighter version of the original color is **60.7083, 47.3617, 100.5498**, and **13.9225, 8.5122, 32.3617** is the 20% darker color. If you saturate the color by 10%, you get **28.8341, 18.2014, 63.6219**, and if you desaturate by 10%, it is **36.9021, 28.7606, 65.2348**.

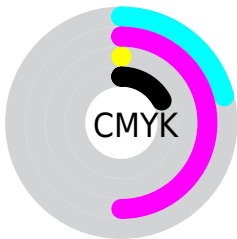
Distribution



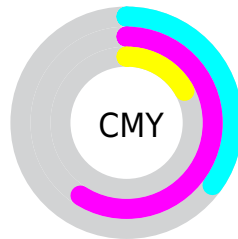
- Red (65%)
- Green (41%)
- Blue (83%)



- Red (65%)
- Yellow (41%)
- Blue (83%)



- Cyan (21%)
- Magenta (50%)
- Yellow (0%)
- Black (17%)



- Cyan (35%)
- Magenta (59%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.5353, 22.9133, 64.3359 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 32.5353, 22.9133, 64.3359 by changing the saturation by 10% instead.

■ 32.5353, 22.9133,
64.3359

■ 32.5353, 22.9133,
64.3359

305.2527,
267.2794, 458.6423

■ 21.9282, 14.5295,
46.4749

■ 63.0089, 48.2509,
112.6987

■ 13.9205, 8.4899,
32.2693

■ 83.6061, 65.9735,
144.0375

■ 8.1467, 4.4100,
21.3008

■ 108.2641, 87.5779,
180.7059

■ 4.2416, 1.9054,
13.1507

■ 137.3481,
113.4484, 223.1226

■ 1.8397, 0.5516,
7.4004

171.2237,
143.9694, 271.7061

■ 0.5414, 0.0000,
3.6315

210.2561,

■ 0.0000, 0.0000,

179.5253, 326.8748

1.4255

254.8106,
220.5005, 389.0474

■ 0.0000, 0.0000,
0.1615

■ 0.0000, 0.0000,
0.0000

■ 32.5353, 22.9133,
64.3359

■ 32.5353, 22.9133,
64.3359

■ 28.8341, 18.2014,
63.6219

■ 36.9021, 28.7606,
65.2348

■ 25.7531, 14.5405,
63.0776

■ 41.9706, 35.8140,
66.3291

■ 23.2445, 11.8383,
62.6883

■ 47.7770, 44.1416,
67.6304

■ 21.2512, 9.9845,
62.4355

■ 54.3542, 53.8053,
69.1491

19.7029, 8.7990,
62.2883

61.7328, 64.8632,
70.8946

69.9418, 77.3697,
72.8759

79.0086, 91.3762,
75.1016

82.6645, 94.3419,
75.4813

85.7417, 95.9282,
75.6253

Harmonies

Analogous

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



25.1914, 22.9133, 84.2896



32.5353, 22.9133, 64.3359



37.4685, 22.9133, 37.2165

Triad

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



32.5353, 22.9133, 64.3359



25.7219, 22.9133, 3.2013



11.1418, 22.9133, 35.4574

Complementary

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



32.5353, 22.9133, 64.3359



38.4224, 54.0930, 21.7814

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.



11.2240, 22.9133, 15.7250



32.5353, 22.9133, 64.3359



18.6885, 22.9133, 3.1088

Square

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



32.5353, 22.9133, 64.3359



32.9948, 22.9133, 6.6042



13.6998, 22.9133, 6.1995



13.4445, 22.9133, 62.4694

Rectangle

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



32.5353, 22.9133, 64.3359



38.1815, 22.9133, 22.3843



13.6998, 22.9133, 6.1995



10.9097, 22.9133, 27.7018

Sweetspot

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



32.5362, 22.9142, 64.3364



78.3147, 75.0262, 104.9616



28.6402, 29.8191, 65.8745



16.3076, 15.3917, 22.3613



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.



32.5362, 22.9142, 64.3364



44.0485, 27.6760, 97.6281



42.8072, 28.3092, 60.2933



11.8058, 11.7487, 14.8891



12.0099, 5.3716, 37.5963



0.7612, 0.3466, 2.1063

Inverse Universe

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



37.4212, 26.1548, 31.9309



52.9620, 33.5510, 40.2206



32.0490, 50.7637, 23.4588



12.0140, 11.8903, 13.3496



17.3641, 8.8185, 6.8237



1.0102, 0.5088, 0.5885

Previews

White Background



This preview shows how the XYZ color 32.5353, 22.9133, 64.3359 looks on a white background.

Color Contrast Check

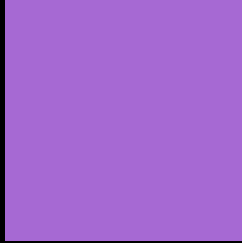
Large Text (above 18pt) WCAG AA ✓ Pass

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 32.5353, 22.9133, 64.3359 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

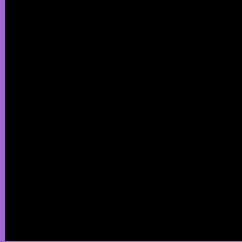
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 32.5353, 22.9133, 64.3359

Background



This preview shows how black text looks on a background with the XYZ color 32.5353, 22.9133, 64.3359.



This preview shows how white text looks on a background with the XYZ color 32.5353, 22.9133,

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

32.5353, 22.9133, 64.3359

Protanopia

26.0833, 23.2064, 80.1953

Deuteranopia

23.9060, 23.2859, 61.6272



Tritanopia

24.5782, 22.8811, 25.3114

Trichromacy



Original Color

32.5353, 22.9133, 64.3359

Protanomaly

27.2465, 22.4466, 74.1307

Deuteranomaly

26.0904, 22.4662, 62.6358

Tritanomaly

26.8949, 22.5649, 36.6562

Monochromacy



Original Color

32.5353, 22.9133, 64.3359

Achromatopsia

23.0288, 24.2281, 26.3844

Achromatomaly

25.6726, 23.1706, 37.7696

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.5353, 22.9133, 64.3359 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(166, 105, 211)` looks like.

```
.text, #text, p{  
    color:rgb(166, 105, 211)  
}
```

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(166, 105, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 105, 211) }
```

Border

The CSS property to change the border of an element to XYZ 32.5353, 22.9133, 64.3359 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(166, 105, 211) }
```


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

```
.border{ border-color:rgb(166, 105, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 105, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 105, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 105, 211);  
box-shadow:4px 4px 4px 4px rgb(166, 105,  
211) }
```

Background

The CSS property to change the background color of an element to XYZ 32.5353, 22.9133, 64.3359 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 105, 211) }
```

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

```
.background{ background-color: rgb(166,  
105, 211) }
```

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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