

Converting Colors

XYZ(32.1659, 22.5113, 61.6821)

Have a look what the booklet for
XYZ(32.1659, 22.5113, 61.6821)
contains.

XYZ(32.0491, 22.4210, 61.6700)	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(32.0491, 22.4210,
61.6700)**

Conversions

Conversions Part 1

Format	Color
Hex	A767CF
RGB	167, 103, 207
RGB Percent	65%, 40%, 81%
CMY	0.3451, 0.5961, 0.1882
CMYK	0.19, 0.50, 0.00, 0.19
HSL	277°, 52%, 61%
HSV	277°, 50%, 81%
XYZ	32.0491, 22.4210, 61.6700
YIQ	133.9920, 4.7600, 45.9120

Conversions

Conversions Part 2

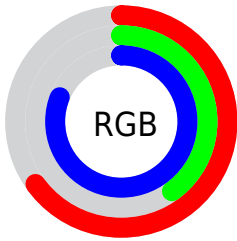
Format	Color
R_{YB}	167, 103, 207
Decimal	10971087
CIE _{Lab}	54.47, 44.26, -43.97
CIE _{LCh}	54, 62.391, 315.185
Yxy	22.4210, 0.2760, 0.1931
Android (android.graphics.Color)	4289161167 (0xFFA767CF)
YUV	133.9920, 35.9929, 28.9480
Hunter-Lab	47.3508, 37.9527, -44.0741

Details

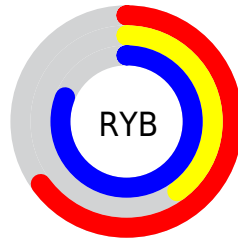
The XYZ color **32.0491, 22.4210, 61.6700** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **36.0893, 51.4451, 20.8606**, and the grayscale version is **22.5286, 23.7019, 25.8113**.

A 20% lighter version of the original color is **60.6789, 46.8442, 100.4515**, and **13.6227, 8.2579, 30.5817** is the 20% darker color. If you saturate the color by 10%, you get **28.6089, 17.9605, 60.9907**, and if you desaturate by 10%, it is **36.1041, 27.9558, 62.5250**.

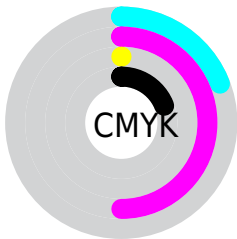
Distribution



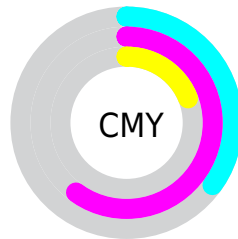
- Red (65%)
- Green (40%)
- Blue (81%)



- Red (65%)
- Yellow (40%)
- Blue (81%)



- Cyan (19%)
- Magenta (50%)
- Yellow (0%)
- Black (19%)



- Cyan (35%)
- Magenta (60%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.0491, 22.4210, 61.6700 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 32.0491, 22.4210, 61.6700 by changing the saturation by 10% instead.

■ 32.0491, 22.4210,
61.6700

■ 32.0491, 22.4210,
61.6700

303.0842,
264.7370, 448.7007

■ 21.5547, 14.1666,
44.3320

■ 62.2527, 47.4408,
108.8154

■ 13.6449, 8.2366,
30.5925

■ 82.6927, 64.9750,
139.4599

■ 7.9541, 4.2467,
20.0329

■ 107.1786, 86.3713,
175.3771

■ 4.1172, 1.8125,
12.2346

■ 136.0757,
112.0140, 216.9854

■ 1.7686, 0.4950,
6.7792

169.7495,
142.2875, 264.7033

■ 0.4987, 0.0000,
3.2481

208.5653,

■ 0.0000, 0.0000,

177.5762, 318.9495

1.2227

252.8884,
218.2646, 380.1425

■ 0.0000, 0.0000,
0.0000

■ 32.0491, 22.4210,
61.6700

■ 32.0491, 22.4210,
61.6700

■ 28.6089, 17.9605,
60.9907

■ 36.1041, 27.9558,
62.5250

■ 25.7409, 14.4942,
60.4728

■ 40.8077, 34.6321,
63.5657

■ 23.4003, 11.9344,
60.1021

■ 46.1937, 42.5143,
64.8033

■ 21.5332, 10.1764,
59.8612

■ 52.2930, 51.6614,
66.2474

■ 20.0726, 9.0468,
59.7201

■ 59.1342, 62.1285,
67.9071

■ 66.7445, 73.9671,
69.7911

■ 75.1494, 87.2261,
71.9074

■ 79.8788, 92.9630,
72.7655

■ 82.5028, 94.3158,
72.8883

Harmonies

Analogous

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



24.9385, 22.4210, 81.6651



32.0491, 22.4210, 61.6700



36.6932, 22.4210, 35.3467

Triad

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



32.0491, 22.4210, 61.6700



24.8476, 22.4210, 3.1174



10.9836, 22.4210, 35.6480

Complementary

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



32.0491, 22.4210, 61.6700



36.0893, 51.4451, 20.8606

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.



10.9695, 22.4210, 16.0039



32.0491, 22.4210, 61.6700



18.0526, 22.4210, 3.1334

Square

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



32.0491, 22.4210, 61.6700



31.9704, 22.4210, 6.2724



13.2865, 22.4210, 6.3421



13.3304, 22.4210, 61.9894

Rectangle

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



32.0491, 22.4210, 61.6700



37.2459, 22.4210, 21.1691



13.2865, 22.4210, 6.3421



10.7255, 22.4210, 27.9716

Sweetspot

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



32.0500, 22.4219, 61.6705



78.8317, 75.2928, 104.9858



26.9212, 27.5182, 62.9245



16.4323, 15.4560, 22.3672



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.



32.0500, 22.4219, 61.6705



45.6066, 28.4793, 97.7011



40.6152, 26.9796, 55.6508



11.8521, 11.7726, 14.8913



12.7550, 5.7558, 37.6312



0.8003, 0.3668, 2.1082

Inverse Universe

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



35.5409, 24.9499, 28.9298



52.4108, 33.3305, 37.3178



30.9102, 48.7110, 23.5150



11.9942, 11.8824, 13.2454



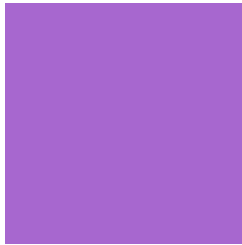
17.1587, 8.7363, 5.7420



0.9977, 0.5038, 0.5229

Previews

White Background



This preview shows how the XYZ color 32.0491, 22.4210, 61.6700 looks on a white background.

Color Contrast Check

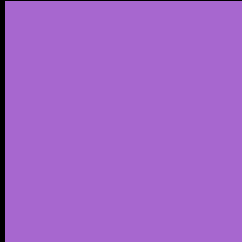
Large Text (above 18pt) WCAG AA ✓ Pass

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 32.0491, 22.4210, 61.6700 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

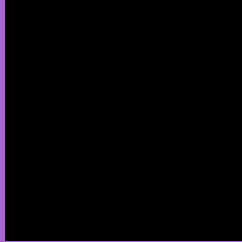
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 32.0491, 22.4210, 61.6700

Background



This preview shows how black text looks on a background with the XYZ color 32.0491, 22.4210, 61.6700.



This preview shows how white text looks on a background with the XYZ color 32.0491, 22.4210,

61.6700.

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

32.0491, 22.4210, 61.6700

Protanopia

25.3884, 22.7207, 77.1762

Deuteranopia

23.2594, 22.6092, 59.0152



Tritanopia

24.4517, 22.2820, 24.4848

Trichromacy



Original Color

32.0491, 22.4210, 61.6700

Protanomaly

26.4690, 21.7547, 71.2106

Deuteranomaly

25.5007, 21.8575, 60.0016

Tritanomaly

26.5734, 21.9088, 35.6291

Monochromacy



Original Color

32.0491, 22.4210, 61.6700

Achromatopsia

22.6597, 23.8398, 25.9615

Achromatomaly

25.3700, 22.8501, 36.7916

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.0491, 22.4210, 61.6700 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(167, 103, 207)` looks like.

```
.text, #text, p{  
    color:rgb(167, 103, 207)  
}
```

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(167, 103, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 103, 207) }
```

Border

The CSS property to change the border of an element to XYZ 32.0491, 22.4210, 61.6700 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(167, 103, 207) }
```


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

```
.border{ border-color:rgb(167, 103, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 103, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 103, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 103, 207);  
box-shadow:4px 4px 4px 4px rgb(167, 103,  
207) }
```

Background

The CSS property to change the background color of an element to XYZ 32.0491, 22.4210, 61.6700 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 103, 207) }
```

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

```
.background{ background-color: rgb(167,  
103, 207) }
```

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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