

Converting Colors

XYZ(22.4334, 17.5082, 35.9685)

Have a look what the booklet for
XYZ(22.4334, 17.5082, 35.9685)
contains.

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Color

**XYZ(22.3965, 17.4262,
35.9014)**

Conversions

Conversions Part 1

Format	Color
Hex	9063A1
RGB	144, 99, 161
RGB Percent	56%, 39%, 63%
CMY	0.4353, 0.6118, 0.3686
CMYK	0.11, 0.39, 0.00, 0.37
HSL	284°, 25%, 51%
HSV	284°, 39%, 63%
XYZ	22.3965, 17.4262, 35.9014
YIQ	119.5230, 6.9180, 28.8220

Conversions

Conversions Part 2

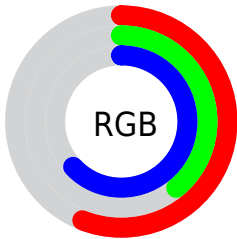
Format	Color
R_YB	144, 99, 161
Decimal	9462689
CIE _{Lab}	48.79, 29.55, -26.46
CIE _{LCh}	49, 39.664, 318.159
Yxy	17.4262, 0.2958, 0.2301
Android (android.graphics.Color)	4287652769 (0xFF9063A1)
YUV	119.5230, 20.4482, 21.4663
Hunter-Lab	41.7447, 22.7140, -21.7695

Details

The XYZ color **22.3965, 17.4262, 35.9014** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **22.2000, 30.1040, 16.4458**, and the grayscale version is **17.6365, 18.5550, 20.2064**.

A 20% lighter version of the original color is **47.0145, 39.2332, 70.0606**, and **8.3578, 5.7471, 15.1368** is the 20% darker color. If you saturate the color by 10%, you get **20.2647, 14.2846, 35.4076**, and if you desaturate by 10%, it is **24.8637, 21.1930, 36.4987**.

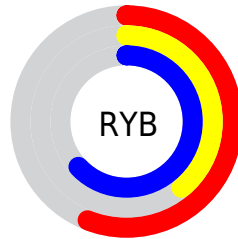
Distribution



Red (56%)

Green (39%)

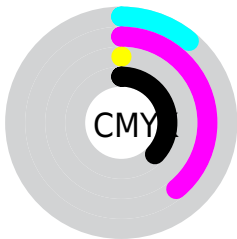
Blue (63%)



Red (56%)

Yellow (39%)

Blue (63%)

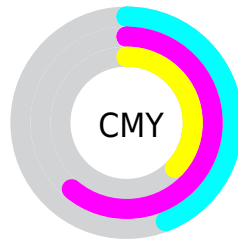


Cyan (11%)

Magenta (39%)

Yellow (0%)

Black (37%)



Cyan (44%)

Magenta (61%)

Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.3965, 17.4262, 35.9014 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 22.3965, 17.4262, 35.9014 by changing the saturation by 10% instead.

■ 22.3965, 17.4262,
35.9014

■ 22.3965, 17.4262,
35.9014

257.2036,
237.6166, 343.5537

■ 14.2668, 10.5388,
24.0690

■ 46.8744, 39.0571,
70.0472

■ 8.3894, 5.7577,
15.1721

■ 63.9534, 54.5695,
93.1976

■ 4.3990, 2.6983,
8.7923

■ 84.7461, 73.7256,
120.9578

■ 1.9302, 0.9763,
4.5110

■ 109.6179, 96.9099,
153.7462

■ 0.5943, 0.0000,
1.9097

138.9342,
124.5067, 191.9815

■ 0.0000, 0.0000,
0.4989

173.0603,

■ 0.0000, 0.0000,

156.9005, 236.0822

0.0000

212.3617,
194.4757, 286.4667

■ 22.3965, 17.4262,
35.9014

■ 22.3965, 17.4262,
35.9014

■ 20.2647, 14.2846,
35.4076

■ 24.8637, 21.1930,
36.4987

■ 18.4480, 11.7294,
35.0102

■ 27.6816, 25.6163,
37.2040

■ 16.9266, 9.7210,
34.7027

■ 30.8665, 30.7279,
38.0227

■ 15.6775, 8.2139,
34.4776

■ 34.4332, 36.5569,
38.9599

■ 14.6737, 7.1547,
34.3261

■ 38.3956, 43.1306,
40.0199

■ 13.8647, 6.4431,
34.2314

■ 42.7670, 50.4750,
41.2071

■ 13.7499, 6.3452,
34.2185

■ 47.5599, 58.6148,
42.5256

■ 52.7863, 67.5736,
43.9794

■ 58.4577, 77.3739,
45.5721

Harmonies

Analogous

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



18.8613, 17.4262, 45.3861



22.3965, 17.4262, 35.9014



24.4745, 17.4262, 23.4308

Triad

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



22.3965, 17.4262, 35.9014



18.0538, 17.4262, 5.2710



10.7217, 17.4262, 25.9958

Complementary

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



22.3965, 17.4262, 35.9014



22.2000, 30.1040, 16.4458

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.



10.5718, 17.4262, 15.1218



22.3965, 17.4262, 35.9014



14.4596, 17.4262, 5.5203

Square

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



22.3965, 17.4262, 35.9014



21.7307, 17.4262, 7.5488



11.8422, 17.4262, 8.4333



12.2875, 17.4262, 38.3654

Rectangle

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



22.3965, 17.4262, 35.9014



24.5768, 17.4262, 16.2479



11.8422, 17.4262, 8.4333



10.5135, 17.4262, 21.9895

Sweetspot

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



22.3971, 17.4269, 35.9018



53.0799, 51.4800, 67.5256



17.8902, 17.8484, 36.2207



11.4907, 11.0484, 14.7706



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.



22.3971, 17.4269, 35.9018



36.8801, 26.4333, 63.5449



24.4713, 18.6259, 30.1433



7.1741, 7.1041, 8.8962



11.0221, 5.0886, 27.3310



0.2733, 0.1284, 0.5762

Inverse Universe

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



22.3127, 17.7624, 18.7761



36.8995, 27.2335, 27.8480



20.8399, 29.3224, 20.0182



7.1499, 7.1164, 7.7756



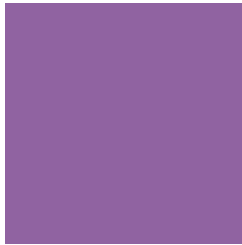
12.1193, 6.2038, 2.5531



0.2735, 0.1379, 0.1527

Previews

White Background



This preview shows how the XYZ color 22.3965, 17.4262, 35.9014 looks on a white 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

Black Background



This preview shows how the XYZ color 22.3965, 17.4262, 35.9014 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

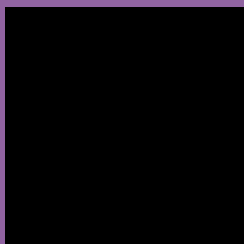
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 22.3965, 17.4262, 35.9014

Background



This preview shows how black text looks on a background with the XYZ color 22.3965, 17.4262, 35.9014.



This preview shows how white text looks on a background with the XYZ color 22.3965, 17.4262,

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

22.3965, 17.4262, 35.9014

Protanopia

18.3840, 17.5386, 41.9515

Deuteranopia

18.0112, 17.6731, 34.8097



Tritanopia

18.8900, 17.3278, 19.1786

Trichromacy



Original Color

22.3965, 17.4262, 35.9014

Protanomaly

19.4401, 17.3126, 39.8532

Deuteranomaly

19.3344, 17.3624, 35.1331

Tritanomaly

20.1004, 17.3721, 24.4840

Monochromacy



Original Color

22.3965, 17.4262, 35.9014

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

19.2206, 18.0047, 25.3839

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.3965, 17.4262, 35.9014 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(144, 99, 161)` looks like.

```
.text, #text, p{  
    color:rgb(144, 99, 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(144, 99, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 99, 161) }
```

Border

The CSS property to change the border of an element to XYZ 22.3965, 17.4262, 35.9014 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(144, 99, 161) }
```


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

```
.border{ border-color:rgb(144, 99, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 99, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 99, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 99, 161);  
box-shadow:4px 4px 4px 4px rgb(144, 99,  
161) }
```

Background

The CSS property to change the background color of an element to XYZ 22.3965, 17.4262, 35.9014 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 99, 161) }
```

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

```
.background{ background-color: rgb(144, 99,  
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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