

Converting Colors

XYZ(22.4215, 12.6203, 36.5680)

Have a look what the booklet for
XYZ(22.4215, 12.6203, 36.5680)
contains.

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Color

**XYZ(22.4260, 12.6099,
36.3739)**

Conversions

Conversions Part 1

Format	Color
Hex	A034A4
RGB	160, 52, 164
RGB Percent	63%, 20%, 64%
CMY	0.3725, 0.7961, 0.3569
CMYK	0.02, 0.68, 0.00, 0.36
HSL	298°, 52%, 42%
HSV	298°, 68%, 64%
XYZ	22.4260, 12.6099, 36.3739
YIQ	97.0600, 28.4160, 57.7280

Conversions

Conversions Part 2

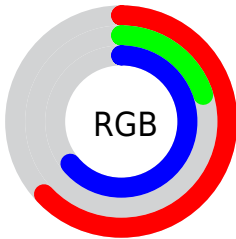
Format	Color
R_{YB}	160, 52, 164
Decimal	10499236
CIE _{Lab}	42.17, 58.23, -38.48
CIE _{LCh}	42, 69.799, 326.543
Yxy	12.6099, 0.3140, 0.1766
Android (android.graphics.Color)	4288689316 (0xFFA034A4)
YUV	97.0600, 33.0014, 55.1984
Hunter-Lab	35.5104, 50.5854, -35.8744

Details

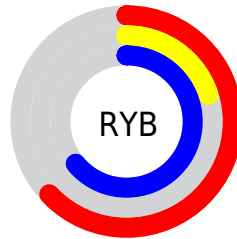
The XYZ color **22.4260, 12.6099, 36.3739** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **15.5266, 27.6399, 7.7661**, and the grayscale version is **11.2943, 11.8825, 12.9400**.

A 20% lighter version of the original color is **46.7640, 30.5913, 70.4578**, and **8.7503, 4.1731, 15.6735** is the 20% darker color. If you saturate the color by 10%, you get **21.7004, 11.3318, 36.1656**, and if you desaturate by 10%, it is **23.4073, 14.3980, 36.6675**.

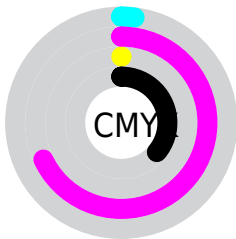
Distribution



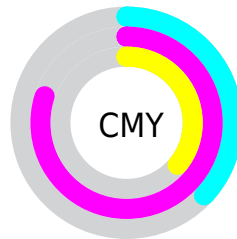
- Red (63%)
- Green (20%)
- Blue (64%)



- Red (63%)
- Yellow (20%)
- Blue (64%)



- Cyan (2%)
- Magenta (68%)
- Yellow (0%)
- Black (36%)



- Cyan (37%)
- Magenta (80%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.4260, 12.6099, 36.3739 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 22.4260, 12.6099, 36.3739 by changing the saturation by 10% instead.

■ 22.4260, 12.6099,
36.3739

■ 22.4260, 12.6099,
36.3739

257.3537,
208.4022, 345.6786

■ 14.2886, 7.1605,
24.4311

■ 46.9227, 30.6012,
70.7843

■ 8.4047, 3.5627,
15.4386

■ 64.0127, 43.9118,
94.0890

■ 4.4090, 1.4321,
8.9777

■ 84.8177, 60.6116,
122.0181

■ 1.9360, 0.2402,
4.6300

■ 109.7029, 81.0850,
154.9902

■ 0.5976, 0.0000,
1.9770

■ 139.0338,
105.7163, 193.4237

■ 0.0000, 0.0000,
0.5411

■ 173.1756,

■ 0.0000, 0.0000,

134.8901, 237.7373

0.0000

212.4938,
168.9906, 288.3494

■ 22.4260, 12.6099,
36.3739

■ 22.4260, 12.6099,
36.3739

■ 21.7004, 11.3318,
36.1656

■ 23.4073, 14.3980,
36.6675

■ 21.2015, 10.5066,
36.0326

■ 24.6667, 16.7417,
37.0535

■ 20.8799, 10.0351,
35.9586

■ 26.2257, 19.6837,
37.5392

■ 20.8297, 9.9640,
35.9475

■ 28.1031, 23.2618,
38.1309

■ 30.3164, 27.5110,
38.8344

■ 32.8819, 32.4636,
39.6551

■ 35.8145, 38.1497,
40.5981

■ 39.1286, 44.5978,
41.6680

■ 42.8375, 51.8348,
42.8695

Harmonies

Analogous

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



17.0378, 12.6099, 58.6558



22.4260, 12.6099, 36.3739



25.0102, 12.6099, 15.5323

Triad

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



22.4260, 12.6099, 36.3739



12.5991, 12.6099, 0.2121



5.0757, 12.6099, 30.9372

Complementary

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



22.4260, 12.6099, 36.3739



15.5266, 27.6399, 7.7661

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.



4.5132, 12.6099, 12.0729



22.4260, 12.6099, 36.3739



8.0458, 12.6099, 0.7176

Square

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



22.4260, 12.6099, 36.3739



18.3940, 12.6099, 1.0126



5.4238, 12.6099, 3.2141



7.2705, 12.6099, 54.2211

Rectangle

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



22.4260, 12.6099, 36.3739



24.3689, 12.6099, 7.0783



5.4238, 12.6099, 3.2141



4.7229, 12.6099, 23.6166

Sweetspot

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



22.4265, 12.6105, 36.3742



54.1392, 48.2241, 70.2071



9.6105, 6.3970, 35.8503



11.5966, 10.0829, 15.2725



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



22.4265, 12.6105, 36.3742



38.8663, 19.6867, 65.5038



19.5528, 11.5549, 17.0010



7.3392, 7.1892, 8.9039



15.9800, 7.6445, 27.5631



0.3429, 0.1643, 0.5795

Inverse Universe

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



17.2520, 10.6345, 4.8853



28.9713, 15.9364, 4.0144



17.1103, 28.2486, 17.2261



7.0835, 7.0899, 7.4264



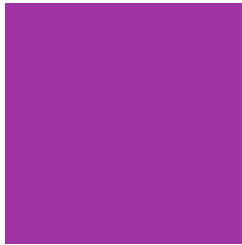
11.7673, 6.0630, 0.6991



0.2502, 0.1286, 0.0299

Previews

White Background



This preview shows how the XYZ color 22.4260, 12.6099, 36.3739 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 22.4260, 12.6099, 36.3739 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

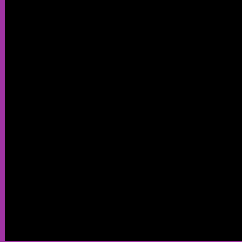
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 22.4260, 12.6099, 36.3739

Background



This preview shows how black text looks on a background with the XYZ color 22.4260, 12.6099, 36.3739.



This preview shows how white text looks on a background with the XYZ color 22.4260, 12.6099,

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

22.4260, 12.6099, 36.3739

Protanopia

15.4153, 13.0056, 60.0904

Deuteranopia

13.1565, 12.8542, 33.2402



Tritanopia

17.0871, 12.6682, 9.9321

Trichromacy



Original Color

22.4260, 12.6099, 36.3739



Protanomaly

14.0913, 10.5460, 50.5831



Deuteranomaly

14.9448, 11.5733, 34.2471



Tritanomaly

18.4352, 12.3185, 17.0289

Monochromacy



Original Color

22.4260, 12.6099, 36.3739



Achromatopsia

11.3621, 11.9538, 13.0177



Achromatomaly

14.1393, 11.2584, 19.5170

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.4260, 12.6099, 36.3739 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(160, 52, 164)` looks like.

```
.text, #text, p{  
    color:rgb(160, 52, 164)  
}
```

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(160, 52, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 52, 164) }
```

Border

The CSS property to change the border of an element to XYZ 22.4260, 12.6099, 36.3739 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(160, 52, 164) }
```


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

```
.border{ border-color:rgb(160, 52, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 52, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 52, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 52, 164);  
box-shadow:4px 4px 4px 4px rgb(160, 52,  
164) }
```

Background

The CSS property to change the background color of an element to XYZ 22.4260, 12.6099, 36.3739 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 52, 164) }
```

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

```
.background{ background-color: rgb(160, 52,  
164) }
```

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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