

Converting Colors

XYZ(27.1792, 13.6360, 60.1251)

Have a look what the booklet for
XYZ(27.1792, 13.6360, 60.1251)
contains.

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Color

**XYZ(27.2032, 13.6593,
60.2342)**

Conversions

Conversions Part 1

Format	Color
Hex	A424CF
RGB	164, 36, 207
RGB Percent	64%, 14%, 81%
CMY	0.3569, 0.8588, 0.1882
CMYK	0.21, 0.83, 0.00, 0.19
HSL	285°, 70%, 48%
HSV	285°, 83%, 81%
XYZ	27.2032, 13.6593, 60.2342
YIQ	93.7660, 21.3970, 80.3170

Conversions

Conversions Part 2

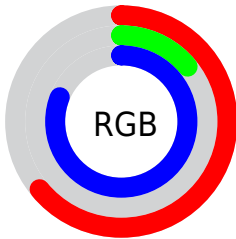
Format	Color
RYB	164, 36, 207
Decimal	10757327
CIELab	43.74, 72.01, -61.18
CIELCh	44, 94.487, 319.646
Yxy	13.6593, 0.2691, 0.1351
Android (android.graphics.Color)	4288947407 (0xFFA424CF)
YUV	93.7660, 55.8244, 61.5952
Hunter-Lab	36.9585, 66.7071, -70.7587

Details

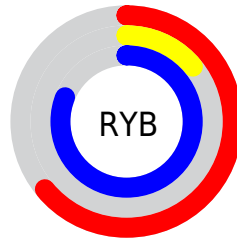
The XYZ color **27.2032, 13.6593, 60.2342** is a dark color, and the websafe version is hex **9900CC**. The color can be described as middle muted purple. A complement of this color would be **25.8562, 46.4156, 9.2659**, and the grayscale version is **10.4543, 10.9987, 11.9776**.

A 20% lighter version of the original color is **52.9433, 31.8317, 97.9614**, and **11.6114, 5.3312, 30.1228** is the 20% darker color. If you saturate the color by 10%, you get **25.6955, 12.2055, 60.0333**, and if you desaturate by 10%, it is **29.1178, 15.8602, 60.5583**.

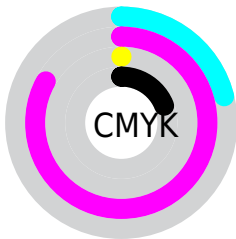
Distribution



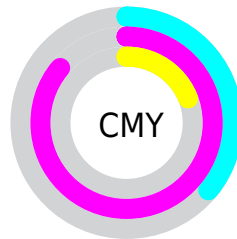
- Red (64%)
- Green (14%)
- Blue (81%)



- Red (64%)
- Yellow (14%)
- Blue (81%)



- Cyan (21%)
- Magenta (83%)
- Yellow (0%)
- Black (19%)



- Cyan (36%)
- Magenta (86%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.2032, 13.6593, 60.2342 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 27.2032, 13.6593, 60.2342 by changing the saturation by 10% instead.

27.2032, 13.6593,
60.2342

27.2032, 13.6593,
60.2342

280.7893,
215.1009, 443.2891

17.8633, 7.8841,
43.1809

54.6274, 32.4833,
106.7160

10.9510, 4.0209,
29.6946

73.4423, 46.3008,
136.9816

6.1009, 1.6852,
19.3568

96.1463, 63.5679,
172.4884

2.9478, 0.4141,
11.7490

123.1046, 84.6690,
213.6549

1.1262, 0.0000,
6.4525

154.6828,
109.9885, 260.8997

0.0469, 0.0000,
3.0489

191.2460,

0.0000, 0.0000,

139.9107, 314.6413

1.1197

233.1597,
174.8200, 375.2983

■ 0.0000, 0.0000,
0.0000

■ 27.2032, 13.6593,
60.2342

■ 27.2032, 13.6593,
60.2342

■ 25.6955, 12.2055,
60.0333

■ 29.1178, 15.8602,
60.5583

■ 24.7702, 11.4685,
59.9398

■ 31.4925, 18.9158,
61.0230

■ 34.3736, 22.9176,
61.6436

■ 37.8011, 27.9447,
62.4332

■ 41.8108, 34.0678,
63.4038

■ 46.4350, 41.3512,
64.5659

■ 51.7040, 49.8542,
65.9294

■ 57.6455, 59.6321,
67.5036

■ 64.2858, 70.7367,
69.2970

Harmonies

Analogous

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



18.4049, 13.6593, 96.3137



27.2032, 13.6593, 60.2342



32.7270, 13.6593, 23.5083

Triad

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



27.2032, 13.6593, 60.2342



15.7244, 13.6593, 0.0000



3.6386, 13.6593, 33.3145

Complementary

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



27.2032, 13.6593, 60.2342



25.8562, 46.4156, 9.2659

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.



3.3880, 13.6593, 8.6626



27.2032, 13.6593, 60.2342



8.7462, 13.6593, 0.0000

Square

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



27.2032, 13.6593, 60.2342



24.6095, 13.6593, 0.2384



4.8533, 13.6593, 0.9954



5.7534, 13.6593, 72.9501

Rectangle

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



27.2032, 13.6593, 60.2342



32.7838, 13.6593, 9.0144



4.8533, 13.6593, 0.9954



3.3755, 13.6593, 22.8393

Sweetspot

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



27.2039, 13.6598, 60.2345



72.3217, 62.9362, 102.9439



14.9778, 10.8552, 60.3376



14.9118, 12.5751, 21.8912



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.



27.2039, 13.6598, 60.2345



39.6944, 18.4192, 96.0709



33.3477, 17.3213, 38.1942



12.0084, 11.8532, 14.8986



15.6970, 7.2724, 37.7689



0.9481, 0.4429, 2.1151

Inverse Universe

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



27.7747, 15.0921, 8.8470



42.2520, 21.7091, 7.1224



24.3418, 45.5214, 14.3236



11.9290, 11.8563, 12.9017



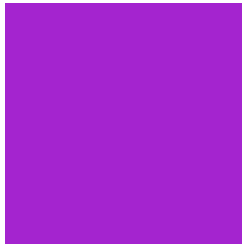
16.6361, 8.5273, 2.9898



0.9627, 0.4898, 0.3384

Previews

White Background



This preview shows how the XYZ color 27.2032, 13.6593, 60.2342 looks on a white background.

Color Contrast Check

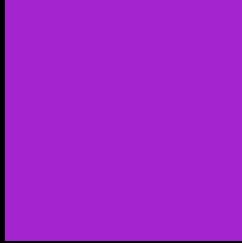
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.2032, 13.6593, 60.2342 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

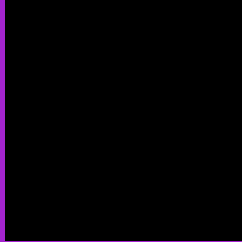
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 27.2032, 13.6593, 60.2342

Background



This preview shows how black text looks on a background with the XYZ color 27.2032, 13.6593, 60.2342.



This preview shows how white text looks on a background with the XYZ color 27.2032, 13.6593,

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

27.2032, 13.6593, 60.2342

Protanopia

16.4408, 13.8678, 64.0976

Tritanopia

17.2922, 13.6313, 11.8449

Trichromacy



Original Color

27.2032, 13.6593, 60.2342

Protanomaly

16.1502, 10.9216, 62.2296

Tritanomaly

19.5071, 12.6278, 23.9635

Monochromacy



Original Color

27.2032, 13.6593, 60.2342

Achromatopsia

10.6392, 11.1932, 12.1894

Achromatomaly

14.3635, 10.4363, 24.1790

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.2032, 13.6593, 60.2342 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(164, 36, 207)` looks like.

```
.text, #text, p{  
    color:rgb(164, 36, 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(164, 36, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 36, 207) }
```

Border

The CSS property to change the border of an element to XYZ 27.2032, 13.6593, 60.2342 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(164, 36, 207) }
```

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

```
.border{ border-color:rgb(164, 36, 207) }
```

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

Here you see how a box with a 4 pixel rgb(164, 36, 207) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 36, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 36, 207);  
box-shadow:4px 4px 4px 4px rgb(164, 36,  
207) }
```


Background

The CSS property to change the background color of an element to XYZ 27.2032, 13.6593, 60.2342 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 36, 207) }
```

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

```
.background{ background-color: rgb(164, 36,  
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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