

Converting Colors

XYZ(21.8662, 11.3008, 35.7725)

Have a look what the booklet for
XYZ(21.8662, 11.3008, 35.7725)
contains.

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Color

**XYZ(21.8527, 11.3091,
35.6814)**

Conversions

Conversions Part 1

Format	Color
Hex	A121A3
RGB	161, 33, 163
RGB Percent	63%, 13%, 64%
CMY	0.3686, 0.8706, 0.3608
CMYK	0.01, 0.80, 0.00, 0.36
HSL	299°, 66%, 38%
HSV	299°, 80%, 64%
XYZ	21.8527, 11.3091, 35.6814
YIQ	86.0920, 34.5580, 67.5660

Conversions

Conversions Part 2

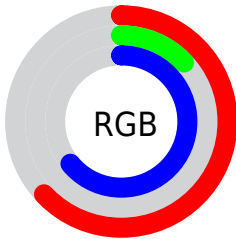
Format	Color
R _Y B	161, 33, 163
Decimal	10559907
CIE Lab	40.10, 64.51, -41.17
CIE LCh	40, 76.531, 327.456
Yxy	11.3091, 0.3174, 0.1643
Android (android.graphics.Color)	4288749987 (0xFFA121A3)
YUV	86.0920, 37.9156, 65.6943
Hunter-Lab	33.6290, 57.1416, -39.3682

Details

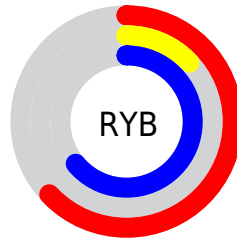
The XYZ color **21.8527, 11.3091, 35.6814** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **14.0651, 26.6617, 5.8442**, and the grayscale version is **8.7826, 9.2399, 10.0623**.

A 20% lighter version of the original color is **46.0023, 28.1799, 70.0325**, and **8.6402, 4.1290, 15.0934** is the 20% darker color. If you saturate the color by 10%, you get **21.4546, 10.5874, 35.5632**, and if you desaturate by 10%, it is **22.4708, 12.4699, 35.8730**.

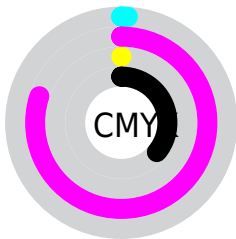
Distribution



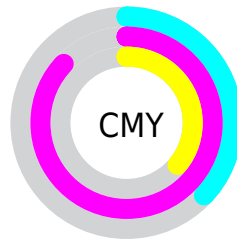
- Red (63%)
- Green (13%)
- Blue (64%)



- Red (63%)
- Yellow (13%)
- Blue (64%)



- Cyan (1%)
- Magenta (80%)
- Yellow (0%)
- Black (36%)



- Cyan (37%)
- Magenta (87%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.8527, 11.3091, 35.6814 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 21.8527, 11.3091, 35.6814 by changing the saturation by 10% instead.

■ 21.8527, 11.3091,
35.6814

■ 21.8527, 11.3091,
35.6814

254.4229,
199.7761, 342.5610

■ 13.8647, 6.2751,
23.9005

■ 45.9831, 28.2303,
69.7035

■ 8.1077, 3.0131,
15.0483

■ 62.8562, 40.8864,
92.7818

■ 4.2163, 1.1386,
8.7063

■ 83.4217, 56.8520,
120.4630

■ 1.8252, 0.0107,
4.4559

■ 108.0450, 76.5114,
153.1656

■ 0.5328, 0.0000,
1.8786

■ 137.0914,
100.2492, 191.3082

■ 0.0000, 0.0000,
0.4791

■ 170.9263,

■ 0.0000, 0.0000,

128.4496, 235.3093

0.0000

209.9150,
161.4971, 285.5874

■ 21.8527, 11.3091,
35.6814

■ 21.8527, 11.3091,
35.6814

■ 21.4546, 10.5874,
35.5632

■ 22.4708, 12.4699,
35.8730

■ 21.2127, 10.1784,
35.4970

■ 23.3356, 14.1243,
36.1468

■ 21.2071, 10.1690,
35.4955

■ 24.4713, 16.3203,
36.5108

■ 25.8990, 19.1001,
36.9721

■ 27.6375, 22.5015,
37.5370

■ 29.7043, 26.5593,
38.2113

■ 32.1154, 31.3056,
39.0004

■ 34.8859, 36.7704,
39.9092

■ 38.0298, 42.9820,
40.9424

Harmonies

Analogous

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



16.1751, 11.3091, 60.7276



21.8527, 11.3091, 35.6814



24.5094, 11.3091, 13.6572

Triad

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



21.8527, 11.3091, 35.6814



11.2084, 11.3091, 0.0000



3.9976, 11.3091, 31.3062

Complementary

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



21.8527, 11.3091, 35.6814



14.0651, 26.6617, 5.8442

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.



3.4368, 11.3091, 11.0613



21.8527, 11.3091, 35.6814



6.6964, 11.3091, 0.0853

Square

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



21.8527, 11.3091, 35.6814



17.2274, 11.3091, 0.3228



4.2365, 11.3091, 2.3328



6.1402, 11.3091, 57.0456

Rectangle

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



21.8527, 11.3091, 35.6814



23.7212, 11.3091, 5.4618



4.2365, 11.3091, 2.3328



3.6564, 11.3091, 23.3282

Sweetspot

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



21.8532, 11.3096, 35.6816



51.3854, 44.0041, 67.8415



7.8444, 4.1800, 35.0438



11.2645, 9.3406, 15.1467



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.



21.8532, 11.3096, 35.6816



38.0920, 18.4059, 63.6011



17.9568, 9.7980, 13.0445



7.3535, 7.1966, 8.9046



16.4855, 7.9051, 27.5867



0.3496, 0.1677, 0.5798

Inverse Universe

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



15.9518, 8.9960, 2.4861



27.2064, 14.1544, 1.6330



15.8284, 27.3594, 15.4736



7.0780, 7.0876, 7.3971



11.7511, 6.0565, 0.6138



0.2482, 0.1278, 0.0195

Previews

White Background



This preview shows how the XYZ color 21.8527, 11.3091, 35.6814 looks on a white background.

Color Contrast Check

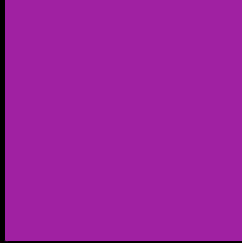
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.8527, 11.3091, 35.6814 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

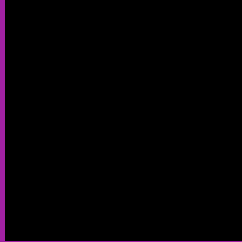
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 21.8527, 11.3091, 35.6814

Background



This preview shows how black text looks on a background with the XYZ color 21.8527, 11.3091, 35.6814.



This preview shows how white text looks on a background with the XYZ color 21.8527, 11.3091,

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

21.8527, 11.3091, 35.6814

Protanopia

13.7910, 11.6398, 53.7444

Deuteranopia

11.9401, 11.6909, 32.1991



Tritanopia

16.1267, 11.3300, 7.8155

Trichromacy



Original Color

21.8527, 11.3091, 35.6814



Protanomaly

12.7086, 8.8970, 46.3949



Deuteranomaly

13.3981, 9.7408, 33.0723



Tritanomaly

17.5333, 10.8375, 14.8034

Monochromacy



Original Color

21.8527, 11.3091, 35.6814



Achromatopsia

8.8453, 9.3059, 10.1341



Achromatomaly

11.8545, 8.7399, 16.9818

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.8527, 11.3091, 35.6814 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(161, 33, 163)` looks like.

```
.text, #text, p{  
    color:rgb(161, 33, 163)  
}
```

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(161, 33, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 33, 163) }
```

Border

The CSS property to change the border of an element to XYZ 21.8527, 11.3091, 35.6814 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(161, 33, 163) }
```


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

```
.border{ border-color:rgb(161, 33, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 33, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(161, 33, 163); -webkit-box-shadow:4px 4px 4px 4px rgb(161, 33, 163); box-shadow:4px 4px 4px 4px rgb(161, 33, 163) }
```

Background

The CSS property to change the background color of an element to XYZ 21.8527, 11.3091, 35.6814 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 33, 163) }
```

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

```
.background{ background-color: rgb(161, 33,  
163) }
```

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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