

Converting Colors

XYZ(21.6424, 15.1334, 19.5497)

Have a look what the booklet for
XYZ(21.6424, 15.1334, 19.5497)
contains.

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Color

**XYZ(21.6424, 15.1334,
19.5497)**

Conversions

Conversions Part 1

Format	Color
Hex	A45178
RGB	164, 81, 120
RGB Percent	64%, 32%, 47%
CMY	0.3569, 0.6823, 0.5294
CMYK	0.00, 0.51, 0.27, 0.36
HSL	332°, 34%, 48%
HSV	332°, 51%, 64%
XYZ	21.6424, 15.1334, 19.5497
YIQ	110.2630, 36.9490, 29.7250

Conversions

Conversions Part 2

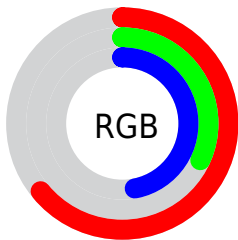
Format	Color
RYB	164, 81, 120
Decimal	10768760
CIELab	45.82, 38.87, -6.25
CIELCh	46, 39.372, 350.866
Yxy	15.1334, 0.3842, 0.2687
Android (android.graphics.Color)	4288958840 (0xFFA45178)
YUV	110.2630, 4.8003, 47.1273
Hunter-Lab	38.9017, 31.2281, -2.5645

Details

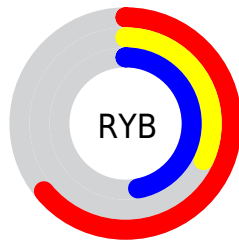
The XYZ color **21.6424, 15.1334, 19.5497** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **20.3711, 29.7813, 24.0781**, and the grayscale version is **14.8762, 15.6509, 17.0438**.

A 20% lighter version of the original color is **45.6527, 35.1258, 43.4035**, and **8.0644, 4.7114, 6.6152** is the 20% darker color. If you saturate the color by 10%, you get **20.0637, 12.7823, 16.5373**, and if you desaturate by 10%, it is **23.5642, 18.0938, 22.9132**.

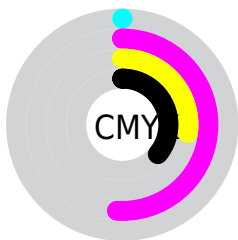
Distribution



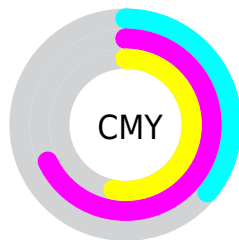
- Red (64%)
- Green (32%)
- Blue (47%)



- Red (64%)
- Yellow (32%)
- Blue (47%)



- Cyan (0%)
- Magenta (51%)
- Yellow (27%)
- Black (36%)





- Cyan (36%)
- Magenta (68%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.6424, 15.1334, 19.5497 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 21.6424, 15.1334, 19.5497 by changing the saturation by 10% instead.


 21.6424, 15.1334,
19.5497


 21.6424, 15.1334,
19.5497


253.3407,
224.1722, 261.9899


 13.7095, 8.9131,
11.8873


 45.6375, 35.0870,
43.5099


 7.9992, 4.6845,
6.5454


 62.4304, 49.5891,
60.6449


 4.1463, 2.0634,
3.1054

 82.9074, 67.6206,
81.7744

 1.7852, 0.6439,
1.1487

 107.4338, 89.5658,
107.3171

 0.5087, 0.0000,
0.0000

 136.3750,
115.8092, 137.6914

 0.0000, 0.0000,
0.0000

170.0963,

146.7351, 173.3160

208.9631,
182.7280, 214.6093

■ 21.6424, 15.1334,
19.5497

■ 21.6424, 15.1334,
19.5497

■ 20.0637, 12.7823,
16.5373

■ 23.5642, 18.0938,
22.9132

■ 18.8039, 10.9947,
13.8612

■ 25.8485, 21.7005,
26.6398

■ 17.8378, 9.7217,
11.5066

■ 28.5146, 25.9902,
30.7420

■ 17.1350, 8.9051,
9.4567

■ 31.5800, 30.9963,
35.2311

■ 16.6514, 8.4291,
7.7810

■ 35.0612, 36.7499,
40.1182

■ 38.9736, 43.2801,
45.4135

■ 43.3320, 50.6148,
51.1271

■ 48.1503, 58.7802,
57.2687

■ 53.4418, 67.8014,
63.8475

Harmonies

Analogous

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



19.9183, 15.1334, 30.8988



21.6424, 15.1334, 19.5497



21.2024, 15.1334, 10.7915

Triad

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



21.6424, 15.1334, 19.5497



12.2301, 15.1334, 4.6265



10.7232, 15.1334, 35.0890

Complementary

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



21.6424, 15.1334, 19.5497



20.3711, 29.7813, 24.0781

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.



9.2106, 15.1334, 23.8756



21.6424, 15.1334, 19.5497



9.9831, 15.1334, 7.4308

Square

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



21.6424, 15.1334, 19.5497



15.4199, 15.1334, 4.2245



8.9622, 15.1334, 13.7457



13.3953, 15.1334, 41.8828

Rectangle

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



21.6424, 15.1334, 19.5497



19.7647, 15.1334, 7.1847



8.9622, 15.1334, 13.7457



10.0806, 15.1334, 31.5466

Sweetspot

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



21.6428, 15.1341, 19.5500



54.6294, 51.8497, 60.0521



17.9393, 12.8424, 36.6553



11.7026, 10.9431, 12.7754



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.



21.6428, 15.1341, 19.5500



36.0300, 22.6376, 29.2305



19.8419, 14.5799, 9.5539



7.2058, 7.1388, 8.0702



12.7912, 6.4725, 6.0911



0.2926, 0.1455, 0.2535

Inverse Universe

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



21.6428, 15.1341, 19.5500



36.0300, 22.6376, 29.2305



23.1238, 30.4884, 39.7881



7.2058, 7.1388, 8.0702



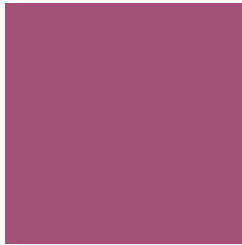
12.7912, 6.4725, 6.0911



0.2926, 0.1455, 0.2535

Previews

White Background



This preview shows how the XYZ color 21.6424, 15.1334, 19.5497 looks on a white background.

Color Contrast Check

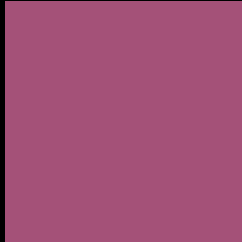
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.6424, 15.1334, 19.5497 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

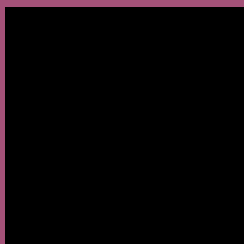
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 21.6424, 15.1334, 19.5497

Background



This preview shows how black text looks on a background with the XYZ color 21.6424, 15.1334, 19.5497.



This preview shows how white text looks on a background with the XYZ color 21.6424, 15.1334,

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

21.6424, 15.1334, 19.5497

Protanopia

15.4295, 15.3849, 26.2011

Deuteranopia

15.5089, 15.2820, 18.6553



Tritanopia

20.0015, 15.0230, 12.2015

Trichromacy



Original Color

21.6424, 15.1334, 19.5497

Protanomaly

16.9219, 14.7340, 23.4248

Deuteranomaly

17.1584, 14.8203, 18.7859

Tritanomaly

20.5188, 15.0013, 14.6460

Monochromacy



Original Color

21.6424, 15.1334, 19.5497

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

16.7050, 14.8844, 17.9121

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.6424, 15.1334, 19.5497 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, 81, 120)` looks like.

```
.text, #text, p{  
    color:rgb(164, 81, 120)  
}
```

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, 81, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 81, 120) }
```

Border

The CSS property to change the border of an element to XYZ 21.6424, 15.1334, 19.5497 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, 81, 120) }
```


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

```
.border{ border-color:rgb(164, 81, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 81, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 81, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 81, 120);  
box-shadow:4px 4px 4px 4px rgb(164, 81,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 21.6424, 15.1334, 19.5497 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 81, 120) }
```

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

```
.background{ background-color: rgb(164, 81,  
120) }
```

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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