

Converting Colors

XYZ(20.6249, 12.7442, 17.2547)

Have a look what the booklet for
XYZ(20.6249, 12.7442, 17.2547)
contains.

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Color

**XYZ(20.6424, 12.7679,
17.2961)**

Conversions

Conversions Part 1

Format	Color
Hex	A73D72
RGB	167, 61, 114
RGB Percent	65%, 24%, 45%
CMY	0.3451, 0.7608, 0.5529
CMYK	0.00, 0.63, 0.32, 0.35
HSL	330°, 46%, 45%
HSV	330°, 63%, 65%
XYZ	20.6424, 12.7679, 17.2961
YIQ	98.7360, 46.1630, 38.9550

Conversions

Conversions Part 2

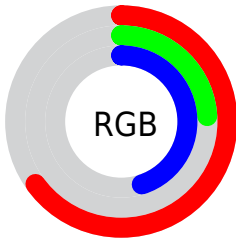
Format	Color
RYB	167, 61, 114
Decimal	10960242
CIELab	42.41, 48.77, -7.61
CIELCh	42, 49.362, 351.135
Yxy	12.7679, 0.4071, 0.2518
Android (android.graphics.Color)	4289150322 (0xFFA73D72)
YUV	98.7360, 7.5252, 59.8675
Hunter-Lab	35.7322, 40.5876, -3.6867

Details

The XYZ color **20.6424, 12.7679, 17.2961** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **18.7812, 29.8449, 20.6921**, and the grayscale version is **11.7675, 12.3803, 13.4822**.

A 20% lighter version of the original color is **43.9516, 30.7954, 39.7040**, and **7.5389, 3.7729, 5.4851** is the 20% darker color. If you saturate the color by 10%, you get **19.4319, 11.0731, 14.6536**, and if you desaturate by 10%, it is **22.1746, 15.0365, 20.2602**.

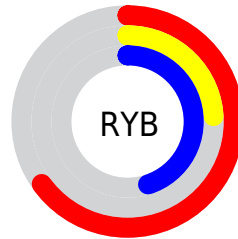
Distribution



Red (65%)

Green (24%)

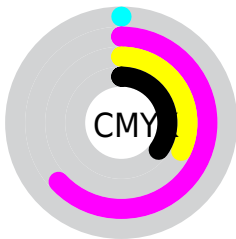
Blue (45%)



Red (65%)

Yellow (24%)

Blue (45%)

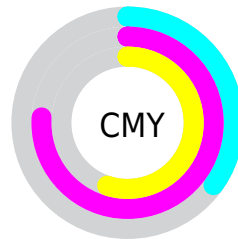


Cyan (0%)

Magenta (63%)

Yellow (32%)

Black (35%)



Cyan (35%)


Magenta (76%)


Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.6424, 12.7679, 17.2961 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 20.6424, 12.7679, 17.2961 by changing the saturation by 10% instead.


 20.6424, 12.7679,
17.2961


 20.6424, 12.7679,
17.2961


248.1397,
209.4248, 248.9744


 12.9738, 7.2689,
10.2816


 43.9874, 30.8862,
39.6318

 7.4874, 3.6308,
5.4781


 60.3945, 44.2743,
55.7901


 3.8178, 1.4693,
2.4668

 80.4452, 61.0608,
75.8334

 1.5996, 0.2670,
0.8225

 104.5049, 81.6303,
100.1803

 0.3921, 0.0000,
0.0000

 132.9388,
106.3670, 129.2493

 0.0000, 0.0000,
0.0000

166.1123,

135.6554, 163.4590

204.3909,
169.8798, 203.2279

■ 20.6424, 12.7679,
17.2961

■ 20.6424, 12.7679,
17.2961

■ 19.4319, 11.0731,
14.6536

■ 22.1746, 15.0365,
20.2602

■ 18.5141, 9.8961,
12.3170

■ 24.0518, 17.9239,
23.5588

■ 17.8561, 9.1731,
10.2695

■ 26.2964, 21.4732,
27.2047

■ 17.5170, 8.8477,
9.0689

■ 28.9284, 25.7226,
31.2098

■ 31.9663, 30.7076,
35.5851

■ 35.4275, 36.4614,
40.3413

■ 39.3282, 43.0150,
45.4884

■ 43.6838, 50.3976,
51.0360

■ 48.5089, 58.6372,
56.9934

Harmonies

Analogous

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



18.5848, 12.7679, 31.0785



20.6424, 12.7679, 17.2961



20.0848, 12.7679, 7.7572

Triad

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



20.6424, 12.7679, 17.2961



9.7395, 12.7679, 2.2237



8.1851, 12.7679, 36.6661

Complementary

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



20.6424, 12.7679, 17.2961



18.7812, 29.8449, 20.6921

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.



6.6212, 12.7679, 22.6523



20.6424, 12.7679, 17.2961



7.3831, 12.7679, 4.6157

Square

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



20.6424, 12.7679, 17.2961



13.2690, 12.7679, 1.9068



6.3610, 12.7679, 10.9839



11.0685, 12.7679, 45.4605

Rectangle

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



20.6424, 12.7679, 17.2961



18.3442, 12.7679, 4.3244



6.3610, 12.7679, 10.9839



7.5144, 12.7679, 32.1517

Sweetspot

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



20.6428, 12.7686, 17.2963



53.9634, 49.5875, 59.0459



15.5840, 9.7058, 37.6114



11.7503, 10.5641, 12.7387



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



20.6428, 12.7686, 17.2963



34.0996, 18.9031, 24.5452



18.4479, 11.8906, 5.7385



7.6817, 7.6025, 8.6408



13.4289, 6.7803, 7.0700



0.3526, 0.1753, 0.3081

Inverse Universe

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



20.6428, 12.7686, 17.2963



34.0996, 18.9031, 24.5452



22.7187, 31.4199, 41.4266



7.6817, 7.6025, 8.6408



13.4289, 6.7803, 7.0700



0.3526, 0.1753, 0.3081

Previews

White Background



This preview shows how the XYZ color 20.6424, 12.7679, 17.2961 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 20.6424, 12.7679, 17.2961 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

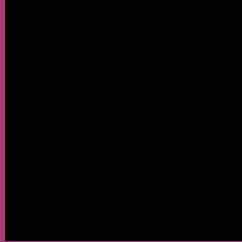
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 20.6424, 12.7679, 17.2961

Background



This preview shows how black text looks on a background with the XYZ color 20.6424, 12.7679, 17.2961.

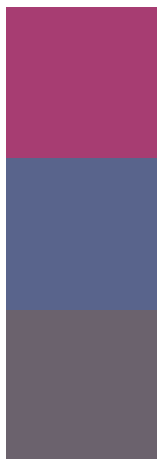


This preview shows how white text looks on a background with the XYZ color 20.6424, 12.7679,

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

20.6424, 12.7679, 17.2961

Protanopia

13.4106, 13.1316, 26.6388

Deuteranopia

13.1914, 12.9653, 16.2753



Tritanopia

18.7700, 12.7808, 8.1343

Trichromacy



Original Color

20.6424, 12.7679, 17.2961

Protanomaly

14.7606, 12.0762, 23.0257

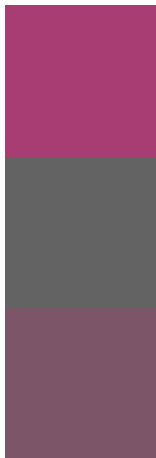
Deuteranomaly

15.1710, 12.3118, 16.6157

Tritanomaly

19.3274, 12.7349, 10.8906

Monochromacy



Original Color

20.6424, 12.7679, 17.2961

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

14.0594, 11.7816, 14.6298

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.6424, 12.7679, 17.2961 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(167, 61, 114)` looks like.

```
.text, #text, p{  
    color:rgb(167, 61, 114)  
}
```

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(167, 61, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 61, 114) }
```

Border

The CSS property to change the border of an element to XYZ 20.6424, 12.7679, 17.2961 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(167, 61, 114) }
```


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

```
.border{ border-color:rgb(167, 61, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 61, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 61, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 61, 114);  
box-shadow:4px 4px 4px 4px rgb(167, 61,  
114) }
```

Background

The CSS property to change the background color of an element to XYZ 20.6424, 12.7679, 17.2961 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 61, 114) }
```

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

```
.background{ background-color: rgb(167, 61,  
114) }
```

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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