

Converting Colors

XYZ(33.6441, 20.3492, 22.9374)

Have a look what the booklet for
XYZ(33.6441, 20.3492, 22.9374)
contains.

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Color

**XYZ(33.7204, 20.3658,
22.9226)**

Conversions

Conversions Part 1

Format	Color
Hex	D54881
RGB	213, 72, 129
RGB Percent	84%, 28%, 51%
CMY	0.1647, 0.7176, 0.4941
CMYK	0.00, 0.66, 0.39, 0.16
HSL	336°, 63%, 56%
HSV	336°, 66%, 84%
XYZ	33.7204, 20.3658, 22.9226
YIQ	120.6570, 65.7390, 47.6190

Conversions

Conversions Part 2

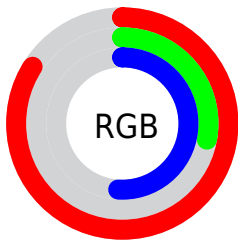
Format	Color
R_{YB}	213, 72, 129
Decimal	13977729
CIE _{Lab}	52.25, 59.79, -1.31
CIE _{LCh}	52, 59.801, 358.747
Yxy	20.3658, 0.4379, 0.2645
Android (android.graphics.Color)	4292167809 (0xFFD54881)
YUV	120.6570, 4.1131, 80.9848
Hunter-Lab	45.1285, 54.4019, 1.4741

Details

The XYZ color **33.7204, 20.3658, 22.9226** is a dark color, and the websafe version is hex **CC3366**. The color can be described as middle muted rose. A complement of this color would be **32.4687, 51.3671, 39.6594**, and the grayscale version is **18.0367, 18.9760, 20.6648**.

A 20% lighter version of the original color is **57.5338, 40.3379, 49.0096**, and **14.7744, 7.4492, 8.2486** is the 20% darker color. If you saturate the color by 10%, you get **31.7822, 17.7566, 18.3701**, and if you desaturate by 10%, it is **36.2413, 23.9727, 28.1866**.

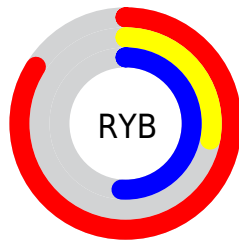
Distribution



Red (84%)

Green (28%)

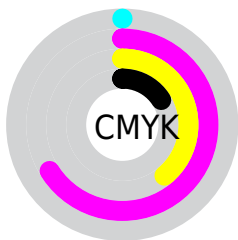
Blue (51%)



Red (84%)

Yellow (28%)

Blue (51%)

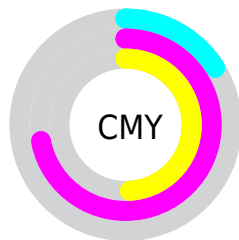


Cyan (0%)

Magenta (66%)

Yellow (39%)

Black (16%)



Cyan (16%)


Magenta (72%)


Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.7204, 20.3658, 22.9226 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 33.7204, 20.3658, 22.9226 by changing the saturation by 10% instead.


 33.7204, 20.3658,
22.9226


 33.7204, 20.3658,
22.9226


310.4914,
253.8886, 280.4362

 22.8408, 12.6612,
14.3316


 64.8458, 44.0296,
49.1878


 14.5960, 7.1957,
8.2103


 85.8223, 60.7577,
67.6991


 8.6208, 3.5848,
4.1401


 110.8951, 81.2623,
90.3542

 4.5498, 1.4441,
1.7025

 140.4296,
105.9280, 117.5717

 2.0176, 0.2489,
0.3625

 174.7911,
135.1390, 149.7701

 0.6438, 0.0000,
0.0000

214.3450,

 0.0000, 0.0000,

169.2799, 187.3679

0.0000

259.4567,
208.7349, 230.7838

■ 33.7204, 20.3658,
22.9226

■ 33.7204, 20.3658,
22.9226

■ 31.7822, 17.7566,
18.3701

■ 36.2413, 23.9727,
28.1866

■ 30.3695, 16.0368,
14.4906

■ 39.3912, 28.6642,
34.1949

■ 29.4139, 15.0763,
11.2415

■ 43.2134, 34.5212,
40.9791

■ 29.1244, 14.8196,
10.1507

■ 47.7466, 41.6161,
48.5684

■ 53.0267, 50.0152,
56.9904

■ 59.0869, 59.7804,
66.2712

■ 65.9583, 70.9692,
76.4356

■ 73.6705, 83.6360,
87.5073

■ 79.4101, 92.1500,
98.5623

Harmonies

Analogous

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



31.3044, 20.3658, 44.7470



33.7204, 20.3658, 22.9226



31.6615, 20.3658, 9.5654

Triad

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



33.7204, 20.3658, 22.9226



14.2166, 20.3658, 3.7791



13.8556, 20.3658, 65.4528

Complementary

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



33.7204, 20.3658, 22.9226



32.4687, 51.3671, 39.6594

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.



10.7421, 20.3658, 42.7328



33.7204, 20.3658, 22.9226



10.9174, 20.3658, 8.8527

Square

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



33.7204, 20.3658, 22.9226



19.6164, 20.3658, 2.6395



9.7910, 20.3658, 21.4436



19.1000, 20.3658, 76.0579

Rectangle

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



33.7204, 20.3658, 22.9226



28.2312, 20.3658, 5.2320



9.7910, 20.3658, 21.4436



12.5698, 20.3658, 58.5405

Sweetspot

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



33.7210, 20.3669, 22.9230



76.3711, 69.8610, 80.4188



27.7028, 16.3348, 64.6437



15.8674, 14.1914, 16.4470



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.



33.7210, 20.3669, 22.9230



46.9102, 25.6054, 25.3846



31.7621, 20.9172, 8.4956



12.6292, 12.5032, 13.9876



17.8380, 9.0715, 6.4511



1.1163, 0.5633, 0.6019

Inverse Universe

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



33.7210, 20.3669, 22.9230



46.9102, 25.6054, 25.3846



35.6285, 48.0724, 70.3520



12.6292, 12.5032, 13.9876



17.8380, 9.0715, 6.4511



1.1163, 0.5633, 0.6019

Previews

White Background



This preview shows how the XYZ color 33.7204, 20.3658, 22.9226 looks on a white 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

Black Background



This preview shows how the XYZ color 33.7204, 20.3658, 22.9226 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

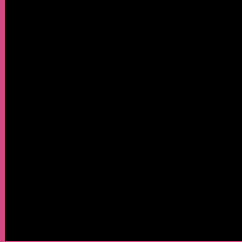
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 33.7204, 20.3658, 22.9226

Background



This preview shows how black text looks on a background with the XYZ color 33.7204, 20.3658, 22.9226.



This preview shows how white text looks on a background with the XYZ color 33.7204, 20.3658,

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

33.7204, 20.3658, 22.9226

Protanopia

20.7109, 20.6334, 36.6093

Deuteranopia

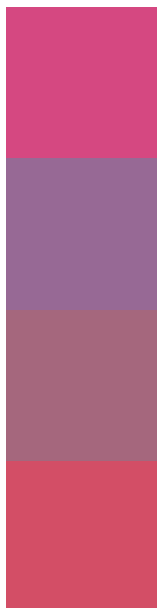
20.8315, 20.4832, 21.2681



Tritanopia

31.3159, 20.4243, 11.3086

Trichromacy



Original Color

33.7204, 20.3658, 22.9226

Protanomaly

23.2389, 18.8524, 30.8478

Deuteranomaly

24.0690, 19.1805, 21.8357

Tritanomaly

31.9866, 20.2570, 14.7945

Monochromacy



Original Color

33.7204, 20.3658, 22.9226

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

21.8148, 18.0258, 21.3983

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.7204, 20.3658, 22.9226 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(213, 72, 129)` looks like.

```
.text, #text, p{  
    color:rgb(213, 72, 129)  
}
```

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(213, 72, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 72, 129) }
```

Border

The CSS property to change the border of an element to XYZ 33.7204, 20.3658, 22.9226 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(213, 72, 129) }
```


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

```
.border{ border-color:rgb(213, 72, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 72, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 72, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 72, 129);  
box-shadow:4px 4px 4px 4px rgb(213, 72,  
129) }
```

Background

The CSS property to change the background color of an element to XYZ 33.7204, 20.3658, 22.9226 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 72, 129) }
```

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

```
.background{ background-color: rgb(213, 72,  
129) }
```

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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