

Converting Colors

XYZ(33.7029, 22.2056, 12.8657)

Have a look what the booklet for
XYZ(33.7029, 22.2056, 12.8657)
contains.

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Color

**XYZ(33.7029, 22.2056,
12.8657)**

Conversions

Conversions Part 1

Format	Color
Hex	D8575D
RGB	216, 87, 93
RGB Percent	85%, 34%, 36%
CMY	0.1529, 0.6588, 0.6353
CMYK	0.00, 0.60, 0.57, 0.15
HSL	357°, 62%, 59%
HSV	357°, 60%, 85%
XYZ	33.7029, 22.2056, 12.8657
YIQ	126.2550, 74.9580, 29.2140

Conversions

Conversions Part 2

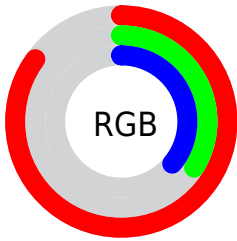
Format	Color
RYB	216, 87, 93
Decimal	14178141
CIELab	54.24, 51.12, 22.97
CIELCh	54, 56.044, 24.195
Yxy	22.2056, 0.4901, 0.3229
Android (android.graphics.Color)	4292368221 (0xFFD8575D)
YUV	126.2550, -16.3947, 78.7064
Hunter-Lab	47.1228, 45.2008, 16.7983

Details

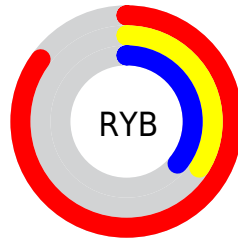
The XYZ color **33.7029, 22.2056, 12.8657** is a dark color, and the websafe version is hex **CC6666**. The color can be described as dark muted red. A complement of this color would be **40.1206, 55.7917, 69.6313**, and the grayscale version is **19.9550, 20.9942, 22.8627**.

A 20% lighter version of the original color is **55.7228, 42.2929, 31.2130**, and **14.6628, 8.1519, 3.4900** is the 20% darker color. If you saturate the color by 10%, you get **31.4155, 18.8996, 8.1925**, and if you desaturate by 10%, it is **36.7601, 26.6584, 19.0077**.

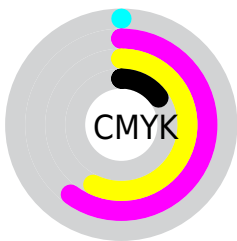
Distribution



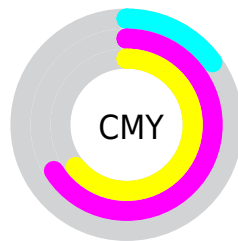
- Red (85%)
- Green (34%)
- Blue (36%)



- Red (85%)
- Yellow (34%)
- Blue (36%)



- Cyan (0%)
- Magenta (60%)
- Yellow (57%)
- Black (15%)





- Cyan (15%)
- Magenta (66%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.7029, 22.2056, 12.8657 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 33.7029, 22.2056, 12.8657 by changing the saturation by 10% instead.


 33.7029, 22.2056,
12.8657


 33.7029, 22.2056,
12.8657


310.4145,
263.6181, 221.2327


 22.8273, 14.0080,
7.2065


 64.8188, 47.0856,
31.7499

 14.5860, 8.1263,
3.5112


 85.7897, 64.5368,
45.8121

 8.6138, 4.1758,
1.3612


 110.8564, 85.8413,
63.5122

 4.5452, 1.7724,
0.1112

 140.3843,
111.3836, 85.2690

 2.0150, 0.4699,
0.0000

174.7387,
141.5481, 111.5008

 0.6423, 0.0000,
0.0000

214.2850,

 0.0000, 0.0000,

176.7190, 142.6264

0.0000

259.3885,
217.2809, 179.0642

■ 33.7029, 22.2056,
12.8657

■ 33.7029, 22.2056,
12.8657

■ 31.4155, 18.8996,
8.1925

■ 36.7601, 26.6584,
19.0077

■ 29.8279, 16.6322,
4.8644

■ 40.6457, 32.3460,
26.7262

■ 28.8598, 15.2807,
2.7394

■ 45.4146, 39.3524,
36.1201

■ 28.3836, 14.6354,
1.6340

■ 51.1165, 47.7529,
47.2798

■ 28.3738, 14.6209,
1.6148

■ 57.7974, 57.6171,
60.2892

■ 65.5003, 69.0103,
75.2271

■ 74.2655, 81.9935,
92.1674

■ 82.1288, 93.3389,
108.2953

Harmonies

Analogous

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



35.0447, 22.2056, 27.7345



33.7029, 22.2056, 12.8657



28.7317, 22.2056, 5.8945

Triad

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



33.7029, 22.2056, 12.8657



12.9561, 22.2056, 9.3777



19.9424, 22.2056, 75.3042

Complementary

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



33.7029, 22.2056, 12.8657



40.1206, 55.7917, 69.6313

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.



14.9648, 22.2056, 62.8944



33.7029, 22.2056, 12.8657



11.4612, 22.2056, 20.9395

Square

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



33.7029, 22.2056, 12.8657



16.6576, 22.2056, 4.6663



12.1186, 22.2056, 40.7085



26.2827, 22.2056, 69.5369

Rectangle

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



33.7029, 22.2056, 12.8657



24.4616, 22.2056, 4.1276



12.1186, 22.2056, 40.7085



18.0718, 22.2056, 72.9890

Sweetspot

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



33.7034, 22.2068, 12.8661



75.8521, 71.6248, 71.6082



42.2539, 25.4112, 67.6434



15.6685, 14.4945, 14.2205



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.



33.7034, 22.2068, 12.8661



44.9642, 26.3957, 10.3009



40.1731, 35.5544, 13.7638



12.4464, 12.4301, 13.0250



16.8054, 8.6585, 1.0135



1.0220, 0.5256, 0.1054

Inverse Universe

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



33.7034, 22.2068, 12.8661



44.9642, 26.3957, 10.3009



28.5447, 31.4222, 69.5262



12.4464, 12.4301, 13.0250



16.8054, 8.6585, 1.0135



1.0220, 0.5256, 0.1054

Previews

White Background



This preview shows how the XYZ color 33.7029, 22.2056, 12.8657 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 33.7029, 22.2056, 12.8657 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 33.7029, 22.2056, 12.8657

Background



This preview shows how black text looks on a background with the XYZ color 33.7029, 22.2056, 12.8657.



This preview shows how white text looks on a background with the XYZ color 33.7029, 22.2056,

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

33.7029, 22.2056, 12.8657

Protanopia

21.2238, 22.4535, 18.5446

Deuteranopia

22.7642, 22.4233, 12.1451



Tritanopia

33.7029, 22.2056, 12.8657

Trichromacy



Original Color

33.7029, 22.2056, 12.8657

Protanomaly

24.2930, 21.1615, 16.1688

Deuteranomaly

25.8477, 21.5551, 12.2494

Tritanomaly

33.7029, 22.2056, 12.8657

Monochromacy



Original Color

33.7029, 22.2056, 12.8657

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

23.1295, 20.1742, 18.5945

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.7029, 22.2056, 12.8657 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(216, 87, 93)` looks like.

```
.text, #text, p{  
    color:rgb(216, 87, 93)  
}
```

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(216, 87, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 87, 93) }
```

Border

The CSS property to change the border of an element to XYZ 33.7029, 22.2056, 12.8657 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(216, 87, 93) }
```


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

```
.border{ border-color:rgb(216, 87, 93) }
```

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

Here you see how a box with a 4 pixel rgb(216, 87, 93) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 87, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 87, 93);  
box-shadow:4px 4px 4px 4px rgb(216, 87,  
93) }
```

Background

The CSS property to change the background color of an element to XYZ 33.7029, 22.2056, 12.8657 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 87, 93) }
```

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

```
.background{ background-color: rgb(216, 87,  
93) }
```

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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