

Converting Colors

XYZ(33.4736, 22.8036, 13.5557)

Have a look what the booklet for
XYZ(33.4736, 22.8036, 13.5557)
contains.

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Color

**XYZ(33.4205, 22.8011,
13.4661)**

Conversions

Conversions Part 1

Format	Color
Hex	D55D5F
RGB	213, 93, 95
RGB Percent	84%, 36%, 37%
CMY	0.1647, 0.6353, 0.6274
CMYK	0.00, 0.56, 0.55, 0.16
HSL	359°, 59%, 60%
HSV	359°, 56%, 84%
XYZ	33.4205, 22.8011, 13.4661
YIQ	129.1080, 70.8780, 26.0620

Conversions

Conversions Part 2

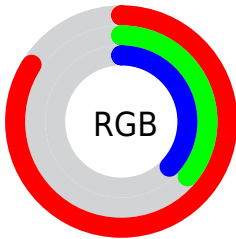
Format	Color
R_{YB}	213, 93, 95
Decimal	13983071
CIE _{Lab}	54.87, 47.45, 22.54
CIE _{LCh}	55, 52.529, 25.409
Yxy	22.8011, 0.4796, 0.3272
Android (android.graphics.Color)	4292173151 (0xFFD55D5F)
YUV	129.1080, -16.8152, 73.5733
Hunter-Lab	47.7505, 41.3685, 16.7050

Details

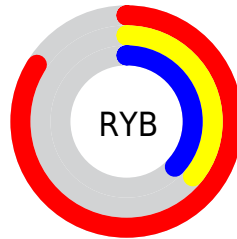
The XYZ color **33.4205, 22.8011, 13.4661** is a dark color, and the websafe version is hex **CC6666**. The color can be described as dark muted red. A complement of this color would be **40.0678, 54.6193, 70.0629**, and the grayscale version is **20.9446, 22.0354, 23.9965**.

A 20% lighter version of the original color is **56.7846, 44.1718, 32.3212**, and **14.4168, 8.4451, 3.7759** is the 20% darker color. If you saturate the color by 10%, you get **30.9768, 19.2382, 8.5689**, and if you desaturate by 10%, it is **36.6418, 27.5099, 19.8856**.

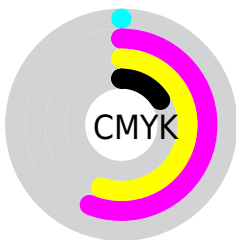
Distribution



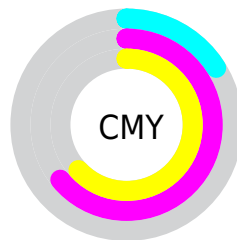
- Red (84%)
- Green (36%)
- Blue (37%)



- Red (84%)
- Yellow (36%)
- Blue (37%)



- Cyan (0%)
- Magenta (56%)
- Yellow (55%)
- Black (16%)





- Cyan (16%)
- Magenta (64%)
- Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.4205, 22.8011, 13.4661 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 33.4205, 22.8011, 13.4661 by changing the saturation by 10% instead.


 33.4205, 22.8011,
13.4661


 33.4205, 22.8011,
13.4661


309.1719,
266.7018, 225.1954


 22.6095, 14.4467,
7.6158


 64.3818, 48.0665,
32.8420

 14.4246, 8.4320,
3.7659


 85.2628, 65.7464,
47.2047

 8.5002, 4.3726,
1.4978


 110.2312, 87.3034,
65.2420

 4.4711, 1.8841,
0.2163

 139.6524,
113.1222, 87.3723

 1.9720, 0.5388,
0.0000

173.8917,
143.5870, 114.0143

 0.6181, 0.0000,
0.0000

213.3145,

 0.0000, 0.0000,

179.0823, 145.5864

0.0000

258.2861,
219.9924, 182.5073

■ 33.4205, 22.8011,
13.4661

■ 33.4205, 22.8011,
13.4661

■ 30.9768, 19.2382,
8.5689

■ 36.6418, 27.5099,
19.8856

■ 29.2437, 16.7203,
5.0673

■ 40.6971, 33.4471,
27.9377

■ 28.1454, 15.1353,
2.8161

■ 45.6395, 40.6918,
37.7241

■ 27.5869, 14.3402,
1.6372

■ 51.5171, 49.3154,
49.3377

■ 27.4598, 14.1538,
1.3863

■ 58.3748, 59.3844,
62.8648

■ 66.2543, 70.9606,
78.3864

■ 75.1950, 84.1024,
95.9786

■ 81.2504, 92.8861,
108.2542

Harmonies

Analogous

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



34.8357, 22.8011, 27.4786



33.4205, 22.8011, 13.4661



28.6588, 22.8011, 6.6955

Triad

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



33.4205, 22.8011, 13.4661



13.7093, 22.8011, 10.7242



20.7891, 22.8011, 72.3748

Complementary

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



33.4205, 22.8011, 13.4661



40.0678, 54.6193, 70.0629

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.



15.9240, 22.8011, 61.6156



33.4205, 22.8011, 13.4661



12.3284, 22.8011, 22.3508

Square

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



33.4205, 22.8011, 13.4661



17.2198, 22.8011, 5.6817



13.0603, 22.8011, 41.2557



26.8317, 22.8011, 66.4340

Rectangle

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



33.4205, 22.8011, 13.4661



24.6121, 22.8011, 4.9437



13.0603, 22.8011, 41.2557



18.9755, 22.8011, 70.4936

Sweetspot

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



33.4211, 22.8023, 13.4665



76.6265, 72.9443, 72.5735



42.7891, 26.4829, 65.8070



15.9978, 15.0210, 14.7370



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.



33.4211, 22.8023, 13.4665



45.8463, 27.8821, 11.4519



40.4838, 37.0709, 15.3794



12.4315, 12.4241, 12.9468



16.7775, 8.6473, 0.8663



1.0149, 0.5228, 0.0681

Inverse Universe

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



33.4211, 22.8023, 13.4665



45.8463, 27.8821, 11.4519



28.2471, 30.5755, 67.3634



12.4315, 12.4241, 12.9468



16.7775, 8.6473, 0.8663



1.0149, 0.5228, 0.0681

Previews

White Background



This preview shows how the XYZ color 33.4205, 22.8011, 13.4661 looks on a white background.

Color Contrast Check

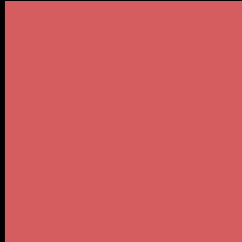
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.4205, 22.8011, 13.4661 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 33.4205, 22.8011, 13.4661

Background



This preview shows how black text looks on a background with the XYZ color 33.4205, 22.8011, 13.4661.



This preview shows how white text looks on a background with the XYZ color 33.4205, 22.8011,

13.4661.

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

33.4205, 22.8011, 13.4661

Protanopia

21.6884, 22.8914, 18.6046

Deuteranopia

23.3646, 22.9121, 12.6422



Tritanopia

33.5198, 22.7013, 14.4195

Trichromacy



Original Color

33.4205, 22.8011, 13.4661

Protanomaly

24.6887, 21.8702, 16.5558

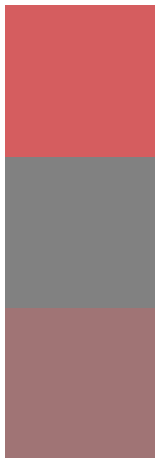
Deuteranomaly

26.2657, 22.2549, 12.8088

Tritanomaly

33.4723, 22.6823, 14.1692

Monochromacy



Original Color

33.4205, 22.8011, 13.4661

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

23.9535, 21.2487, 19.6685

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.4205, 22.8011, 13.4661 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, 93, 95)` looks like.

```
.text, #text, p{  
    color:rgb(213, 93, 95)  
}
```

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, 93, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 93, 95) }
```

Border

The CSS property to change the border of an element to XYZ 33.4205, 22.8011, 13.4661 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, 93, 95) }
```


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

```
.border{ border-color:rgb(213, 93, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 93, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 93, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 93, 95);  
box-shadow:4px 4px 4px 4px rgb(213, 93,  
95) }
```

Background

The CSS property to change the background color of an element to XYZ 33.4205, 22.8011, 13.4661 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 93, 95) }
```

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

```
.background{ background-color: rgb(213, 93,  
95) }
```

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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