

Converting Colors

XYZ(24.6368, 23.5231, 13.1374)

Have a look what the booklet for
XYZ(24.6368, 23.5231, 13.1374)
contains.

XYZ(24.6590, 23.5696, 13.1472)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(24.6590, 23.5696,
13.1472)**

Conversions

Conversions Part 1

Format	Color
Hex	A47E5B
RGB	164, 126, 91
RGB Percent	64%, 49%, 36%
CMY	0.3569, 0.5059, 0.6431
CMYK	0.00, 0.23, 0.45, 0.36
HSL	29°, 29%, 50%
HSV	29°, 45%, 64%
XYZ	24.6590, 23.5696, 13.1472
YIQ	133.3720, 33.8830, -2.8290

Conversions

Conversions Part 2

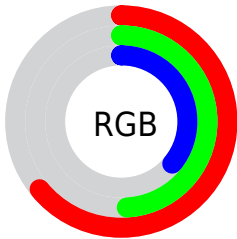
Format	Color
RYB	164, 158, 91
Decimal	10780251
CIELab	55.65, 10.04, 24.69
CIELCh	56, 26.653, 67.868
Yxy	23.5696, 0.4018, 0.3840
Android (android.graphics.Color)	4288970331 (0xFFA47E5B)
YUV	133.3720, -20.8894, 26.8608
Hunter-Lab	48.5485, 5.7046, 17.9279

Details

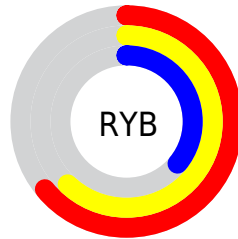
The XYZ color **24.6590, 23.5696, 13.1472** is a dark color, and the websafe version is hex **CC9966**. A complement of this color would be **18.8650, 20.6040, 38.1044**, and the grayscale version is **22.4957, 23.6673, 25.7736**.

A 20% lighter version of the original color is **50.5178, 49.4088, 32.4655**, and **9.5389, 8.8046, 3.5796** is the 20% darker color. If you saturate the color by 10%, you get **22.9822, 21.2271, 9.4712**, and if you desaturate by 10%, it is **26.5848, 26.1625, 17.6695**.

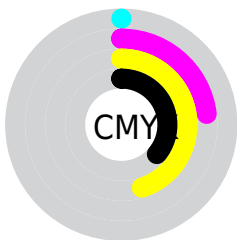
Distribution



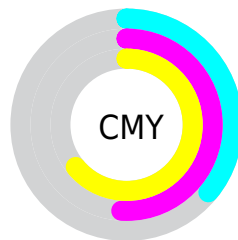
- Red (64%)
- Green (49%)
- Blue (36%)



- Red (64%)
- Yellow (62%)
- Blue (36%)



- Cyan (0%)
- Magenta (23%)
- Yellow (45%)
- Black (36%)





- Cyan (36%)
- Magenta (51%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.6590, 23.5696, 13.1472 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 24.6590, 23.5696, 13.1472 by changing the saturation by 10% instead.


 24.6590, 23.5696,
13.1472


 24.6590, 23.5696,
13.1472


268.5145,
270.6372, 223.0998


 15.9506, 15.0147,
7.3981


 50.5504, 49.3269,
32.2630

 9.5798, 8.8297,
3.6301


 68.4640, 67.2981,
46.4668

 5.1814, 4.6303,
1.4247

 90.1767, 89.1768,
64.3259

 2.3899, 2.0320,
0.1609

 116.0540,
115.3475, 86.2588

 0.8401, 0.6260,
0.0000

146.4610,
146.1944, 112.6842

 0.0000, 0.0000,
0.0000

181.7632,

182.1021, 144.0204

222.3259,
223.4549, 180.6861

■ 24.6590, 23.5696,
13.1472

■ 24.6590, 23.5696,
13.1472

■ 22.9822, 21.2271,
9.4712

■ 26.5848, 26.1625,
17.6695

■ 21.5401, 19.1229,
6.5857

■ 28.7692, 29.0106,
23.0862

■ 20.3194, 17.2488,
4.4303

■ 31.2237, 32.1228,
29.4433

■ 19.3047, 15.5946,
2.9351

■ 33.9581, 35.5064,
36.7836

■ 18.4772, 14.1485,
2.0156

■ 36.9820, 39.1684,
45.1467

■ 18.0798, 13.4326,
1.6398

■ 40.3044, 43.1155,
54.5704

■ 43.9338, 47.3544,
65.0905

■ 47.8785, 51.8911,
76.7409

■ 52.1463, 56.7319,
89.5543

Harmonies

Analogous

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



27.2996, 23.5696, 16.7580



24.6590, 23.5696, 13.1472



21.6176, 23.5696, 12.4755

Triad

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



24.6590, 23.5696, 13.1472



17.1342, 23.5696, 28.0049



26.1542, 23.5696, 41.1356

Complementary

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



24.6590, 23.5696, 13.1472



18.8650, 20.6040, 38.1044

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.



23.2055, 23.5696, 45.8837



24.6590, 23.5696, 13.1472



18.1286, 23.5696, 37.2691

Square

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



24.6590, 23.5696, 13.1472



17.4478, 23.5696, 19.9005



20.2875, 23.5696, 44.3291



28.2155, 23.5696, 32.4433

Rectangle

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



24.6590, 23.5696, 13.1472



19.7991, 23.5696, 13.6021



20.2875, 23.5696, 44.3291



25.2240, 23.5696, 43.3255

Sweetspot

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



24.6596, 23.5707, 13.1477



57.2769, 59.0592, 55.0327



23.0757, 16.9847, 23.1579



12.3040, 12.6388, 11.4559



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.



24.6596, 23.5707, 13.1477



41.8628, 38.7391, 17.4993



30.0422, 34.3360, 14.9419



7.3409, 7.6201, 7.4640



13.9101, 10.3941, 1.2731



0.3396, 0.3130, 0.0425

Inverse Universe

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



18.8650, 20.6040, 38.1044



30.0233, 32.6727, 68.4764



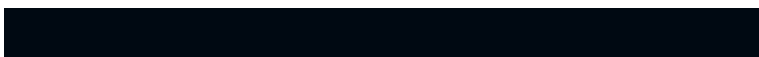
14.9679, 12.8097, 36.8054



6.9911, 7.4413, 8.9709



7.6985, 7.1764, 27.9092



0.2088, 0.2449, 0.6021

Previews

White Background



This preview shows how the XYZ color 24.6590, 23.5696, 13.1472 looks on a white background.

Color Contrast Check

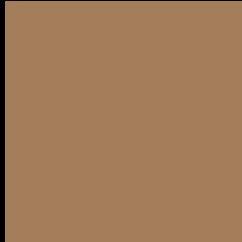
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.6590, 23.5696, 13.1472 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 24.6590, 23.5696, 13.1472

Background



This preview shows how black text looks on a background with the XYZ color 24.6590, 23.5696, 13.1472.



This preview shows how white text looks on a background with the XYZ color 24.6590, 23.5696,

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

24.6590, 23.5696, 13.1472

Protanopia

21.9095, 23.5125, 13.9733

Deuteranopia

24.1047, 23.6673, 13.1953



Tritanopia

27.0151, 23.6113, 24.2527

Trichromacy



Original Color

24.6590, 23.5696, 13.1472

Protanomaly

22.7209, 23.3349, 13.6625

Deuteranomaly

24.1756, 23.5111, 13.1614

Tritanomaly

26.1717, 23.6424, 19.7070

Monochromacy



Original Color

24.6590, 23.5696, 13.1472

Achromatopsia

22.2940, 23.4551, 25.5426

Achromatomaly

22.7542, 23.2026, 20.4188

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.6590, 23.5696, 13.1472 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, 126, 91)` looks like.

```
.text, #text, p{  
    color:rgb(164, 126, 91)  
}
```

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, 126, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 126, 91) }
```

Border

The CSS property to change the border of an element to XYZ 24.6590, 23.5696, 13.1472 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, 126, 91) }
```


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

```
.border{ border-color:rgb(164, 126, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 126, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 126, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 126, 91);  
box-shadow:4px 4px 4px 4px rgb(164, 126,  
91) }
```

Background

The CSS property to change the background color of an element to XYZ 24.6590, 23.5696, 13.1472 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 126, 91) }
```

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

```
.background{ background-color: rgb(164,  
126, 91) }
```

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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