

Converting Colors

XYZ(23.2421, 36.7499, 28.0250)

Have a look what the booklet for
XYZ(23.2421, 36.7499, 28.0250)
contains.

XYZ(23.1537, 36.5846, 28.0315)	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(23.1537, 36.5846,
28.0315)**

Conversions

Conversions Part 1

Format	Color
Hex	3EB785
RGB	62, 183, 133
RGB Percent	24%, 72%, 52%
CMY	0.7569, 0.2823, 0.4784
CMYK	0.66, 0.00, 0.27, 0.28
HSL	155°, 49%, 48%
HSV	155°, 66%, 72%
XYZ	23.1537, 36.5846, 28.0315
YIQ	141.1210, -56.0660, -41.2020

Conversions

Conversions Part 2

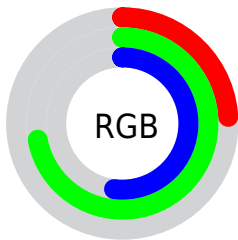
Format	Color
RYB	62, 138, 183
Decimal	4110213
CIELab	66.96, -45.33, 15.81
CIELCh	67, 48.012, 160.773
Yxy	36.5846, 0.2638, 0.4168
Android (android.graphics.Color)	4282300293 (0xFF3EB785)
YUV	141.1210, -4.0037, -69.3891
Hunter-Lab	60.4852, -37.5194, 14.8621

Details

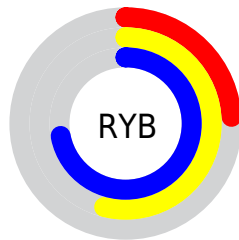
The XYZ color **23.1537, 36.5846, 28.0315** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **24.1768, 14.6831, 16.8903**, and the grayscale version is **25.3967, 26.7193, 29.0973**.

A 20% lighter version of the original color is **48.1914, 70.0763, 57.4405**, and **9.4116, 16.3250, 10.8386** is the 20% darker color. If you saturate the color by 10%, you get **21.6899, 35.8892, 25.3336**, and if you desaturate by 10%, it is **25.0434, 37.4972, 30.9473**.

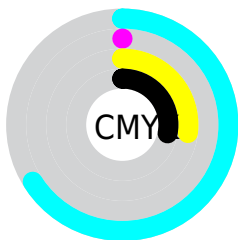
Distribution



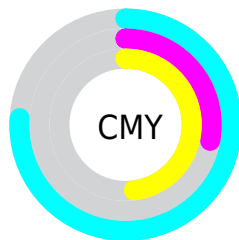
- Red (24%)
- Green (72%)
- Blue (52%)



- Red (24%)
- Yellow (54%)
- Blue (72%)



- Cyan (66%)
- Magenta (0%)
- Yellow (27%)
- Black (28%)





- Cyan (76%)
- Magenta (28%)
- Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.1537, 36.5846, 28.0315 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 23.1537, 36.5846, 28.0315 by changing the saturation by 10% instead.


 23.1537, 36.5846,
28.0315


 23.1537, 36.5846,
28.0315


261.0341,
331.5086, 306.5341


 14.8284, 24.8860,
18.1102


 48.1104, 69.9334,
57.5584


 8.7845, 15.9922,
10.8588

 65.4724, 92.3525,
78.0011


 4.6569, 9.5186,
5.8590


 86.5774, 119.1138,
102.7880

 2.0801, 5.0810,
2.6921

 111.7907,
150.6018, 132.3376

 0.6783, 2.2948,
0.9395

 141.4777,
187.2009, 167.0684

 0.0000, 0.7710,
0.0000

176.0037,

 0.0000, 0.0000,

229.2955, 207.3991

0.0000

215.7340,
277.2699, 253.7481

■ 23.1537, 36.5846,
28.0315

■ 23.1537, 36.5846,
28.0315

■ 21.6899, 35.8892,
25.3336

■ 25.0434, 37.4972,
30.9473

■ 20.6078, 35.3853,
22.8452

■ 27.3918, 38.6408,
34.0841

■ 19.8547, 35.0468,
20.5601

■ 30.2317, 40.0333,
37.4482

■ 19.6081, 34.9379,
19.7253

■ 33.5920, 41.6895,
41.0447

■ 37.4993, 43.6230,
44.8784

■ 41.9782, 45.8463,
48.9542

■ 47.0518, 48.3715,
53.2765

■ 52.7422, 51.2096,
57.8497

■ 59.0698, 54.3713,
62.6783

Harmonies

Analogous

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



26.4045, 36.5846, 16.5251



23.1537, 36.5846, 28.0315



22.7486, 36.5846, 47.8122

Triad

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



23.1537, 36.5846, 28.0315



37.4567, 36.5846, 93.6600



46.4941, 36.5846, 18.9616

Complementary

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



23.1537, 36.5846, 28.0315



24.1768, 14.6831, 16.8903

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.



50.4260, 36.5846, 32.7974



23.1537, 36.5846, 28.0315



44.7446, 36.5846, 78.5865

Square

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



23.1537, 36.5846, 28.0315



30.3612, 36.5846, 90.9799



49.7444, 36.5846, 54.5574



39.5918, 36.5846, 12.6957

Rectangle

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



23.1537, 36.5846, 28.0315



24.0736, 36.5846, 64.0830



49.7444, 36.5846, 54.5574



48.2479, 36.5846, 22.6345

Sweetspot

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



23.1547, 36.5861, 28.0323



64.0891, 76.6048, 77.4299



24.5393, 37.6885, 10.5390



13.7262, 16.7073, 16.6786



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



23.1547, 36.5861, 28.0323



37.9549, 63.8570, 43.4598



25.4626, 34.2997, 50.0801



9.1054, 10.1461, 10.7124



13.7132, 24.3862, 13.9433



0.5134, 0.8717, 0.6496

Inverse Universe

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



24.1768, 14.6831, 16.8903



39.9524, 21.8327, 22.2624



22.7217, 15.0613, 6.2673



9.1544, 9.0721, 10.1603



14.5567, 7.3965, 5.5526



0.5441, 0.2731, 0.3589

Previews

White Background



This preview shows how the XYZ color 23.1537, 36.5846, 28.0315 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 23.1537, 36.5846, 28.0315 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

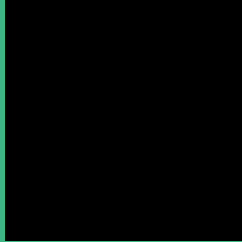
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 23.1537, 36.5846, 28.0315

Background



This preview shows how black text looks on a background with the XYZ color 23.1537, 36.5846, 28.0315.

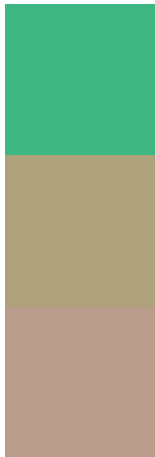


This preview shows how white text looks on a background with the XYZ color 23.1537, 36.5846,

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

23.1537, 36.5846, 28.0315

Protanopia

33.7291, 36.1550, 23.9398

Deuteranopia

36.5563, 35.9553, 29.4394



Tritanopia

28.4758, 36.6532, 54.2891

Trichromacy



Original Color

23.1537, 36.5846, 28.0315



Protanomaly

27.8784, 35.2683, 25.4168



Deuteranomaly

28.9668, 34.6540, 28.8291



Tritanomaly

26.2620, 36.6413, 43.2244

Monochromacy



Original Color

23.1537, 36.5846, 28.0315



Achromatopsia

25.3171, 26.6356, 29.0061



Achromatomaly

23.1580, 29.0567, 28.4327

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.1537, 36.5846, 28.0315 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(62, 183, 133)` looks like.

```
.text, #text, p{  
    color:rgb(62, 183, 133)  
}
```

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(62, 183, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 183, 133) }
```

Border

The CSS property to change the border of an element to XYZ 23.1537, 36.5846, 28.0315 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(62, 183, 133) }
```


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

```
.border{ border-color:rgb(62, 183, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(62, 183, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 183, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(62, 183, 133);  
box-shadow:4px 4px 4px 4px rgb(62, 183,  
133) }
```

Background

The CSS property to change the background color of an element to XYZ 23.1537, 36.5846, 28.0315 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 183, 133) }
```

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

```
.background{ background-color: rgb(62, 183,  
133) }
```

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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